

**Annual Summary of
Fish Harvesting
Activities**

**Western Canadian
Freshwater Fisheries**

Volume 15

1996-1997



**Fisheries and Oceans
Canada**

**Pêches et Océans
Canada**

Canada

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Freshwater Fisheries**

Volume 15

1996-1997

Freshwater Institute
Central and Arctic Region
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FOREWORD

The Freshwater Fish Marketing Corporation (FFMC) and the Department of Fisheries and Oceans, Central and Arctic Region (DFO) have, for over twenty years, co-operated in the development and maintenance of a commercial fisheries database. The harvest data are developed from the FFMC's purchase ticket, which records the catch and payment for every sales transaction between individual fishermen and the FFMC. The resulting database provides comprehensive information on the commercial fishery (ie. fishermen, lakes, species, sizes of fish, weeks, months, seasons, etc.). These data have been used by the FFMC, DFO, and the fisheries management agencies of the four participating provinces in the FFMC's area of operation. The participating jurisdictions include Manitoba, Saskatchewan, Alberta, the Northwest Territories, and Ontario (only parts of the northwestern region). A portion of the data from the Northwest Territories is not available through the FFMC and is collected by the DFO and by the Northwest Territories Development Corporation. Data are also provided on request to other federal, provincial or territorial agencies, universities, and others interested in fisheries.

Some changes have been made to this volume. Estimates of the number of crew hands and fishing vessels have been dropped. Tables on these data in previous volumes were partly based on survey data. The surveys are outdated and no new surveys to update are planned. In addition, tables detailing numbers of fishermen and fishing effort (e.g. tables 1.3 and 1.4) had data quality problems and required estimates to be made to maintain capability with data presented in previous volumes.

The data provided in this report are aggregate and are intended to provide a quick reference to summarized information on Western Canada's commercial freshwater fisheries. The focus is on fish harvesting activities for the fiscal period May 1, 1996 to April 30, 1997. In addition, some marketing and historical trend information is included.

Section 1 of the report gives harvesting and marketing data for the entire FFMC region. Section 2 provides a comparative analysis showing the share of harvesting activities of each jurisdiction in the region. The remaining sections (3 through 7) focus on each jurisdiction separately.

Persons interested in obtaining more information on Western Canadian freshwater fisheries may contact:

Department of Fisheries and Oceans
Central and Arctic Region
Policy and Economics Division
501 University Crescent
Winnipeg, Manitoba R3T 2N6
(204) 984-5436

(Disponible en français)



1996-1997 HIGHLIGHTS

- 2 712 persons were self-employed fishermen.
- 18 856 tonnes of fish were harvested.
- Fishermen were paid \$23 364 000 for this harvest.
- The estimated marketed value of the catch was \$48 443 000.
- Manitoba fishermen caught 62% of the harvest and received 68% of the landed value.
- Saskatchewan fishermen caught 19% of the harvest and received 15% of the landed value.
- Alberta, Northwestern Ontario, and Northwest Territories fishermen caught 9%, less than 1%, and 10% of the harvest and received 7%, 1%, and 9% of the landed value respectively.
- Whitefish (34%), pickerel (14%), northern pike (12%) and sauger (6%) were the major species harvested.
- Pickerel accounted for 39% of the landed value, retaining its role as the species most critical to the economics of the commercial fishing industry.
- Whitefish and sauger each accounted for 25% and 14% respectively, of the landed value. All other species combined represented 22% of the total landed value.
- Total landings were down 182 tonnes or 1% relative to the previous fiscal period.
- Landed value decreased 24% from the 1995-96 fiscal period. Decreases in landed values were reported for pickerel (33%) and whitefish (8%).
- Prices paid to fishermen decreased for all species in 1996/97. Average pickerel prices experienced the largest decrease, from \$6.71 to \$ 5.88 per kilogram
- 10 882 tonnes of fish products were marketed with a total sales value of \$45 415 000.

GLOSSARY OF TERMS

Delivery Point

A delivery point is a fish facility where fishermen sell their catches to the FFMC or agents of the FFMC.

Fiscal Year

A fiscal year refers to the period from May 1 through to April 30 of the subsequent year. There are two fishing seasons in a fiscal year. Thus, 1996-97 refers to the period May 1, 1996 to April 30, 1997. The summer season, which is the open water fishery, begins May 1 and ends October 30. The winter season is an ice fishery that begins when the lakes freeze, around November 1, and continues until spring thaw, usually about April 30.

Landed Quantity

The landed quantity is an estimate reflecting the weight of fish marketed to the FFMC by commercial fishermen. (Federal and provincial law requires fishermen to sell their catches, excluding sales made directly to final consumers, to the FFMC.) This estimate expresses the catch as if it were all harvested in one form, the live weight equivalent. Because fishermen actually sell fish in a variety of forms (round, gutted and gutted with head off), conversion factors are used to determine the live weight equivalent.

Landed Value

The landed value represents the payments received by fishermen for fish sales to the FFMC. The payments are generally recorded f.o.b. lakeside although in some cases, especially in the North, payments are f.o.b. a central delivery point which may be some distance from the lake where fish are harvested. Fishermen receive both initial and final payments for their catches, the final payment dependent on the FFMC's net earnings for the period. The landed values reported here include both the initial and final payments.

Marketed Value

The marketed value estimates the value of the year's catch as the product of the landed quantity of each species and the average market selling price for the year. Because the estimate neglects the carryover of inventory from year to year, it differs from the FFMC's statement of annual fish sales.

Nominal Dollars

Nominal dollars are the current dollar amounts paid or received at the time of harvest or sale. Nominal dollars are not adjusted for inflation.

Product Weights

Product weights are the actual weights of the final product sold. Fish are sold in a variety of product forms (round, dressed fillets, deboned blocks, etc.), and product weights should not be confused with the live equivalent weights.

Self-Employed Fishermen

A self-employed fisherman is generally the owner/operator of the fishing business. All self-employed fishermen must be licensed for commercial fishing. Note that in the tables reporting the distribution of landed values the "rule of three" is used to protect the identities of fishermen who fall within an income interval that contains three or less fishermen. In such cases, the symbol ≤ 4 is used.

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SECTION 1
WESTERN CANADIAN FRESHWATER FISHERIES
SUMMARY

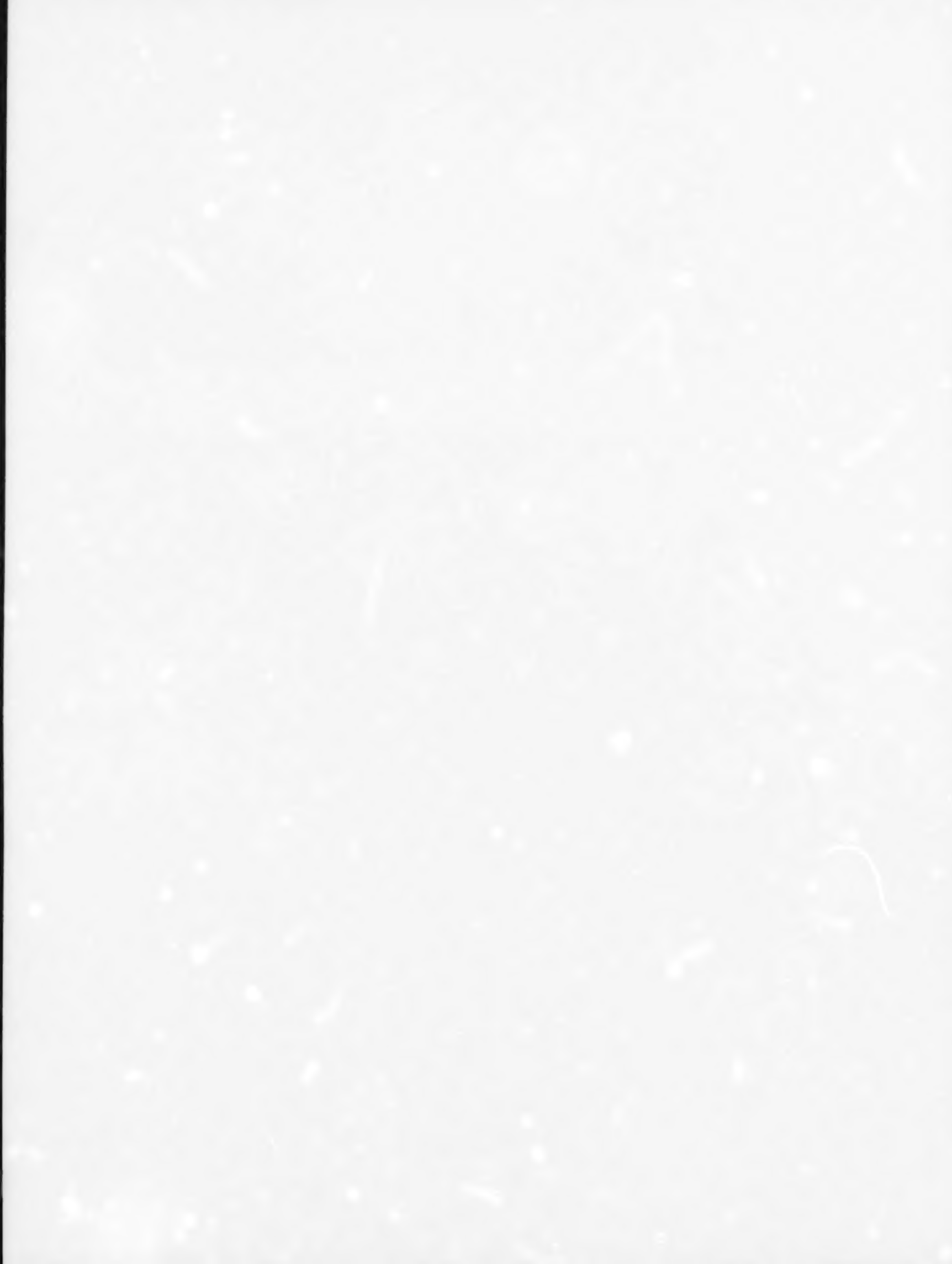


Fig. 1.1
Total Landings by Species
1996/97 Total = 18 856 tonnes

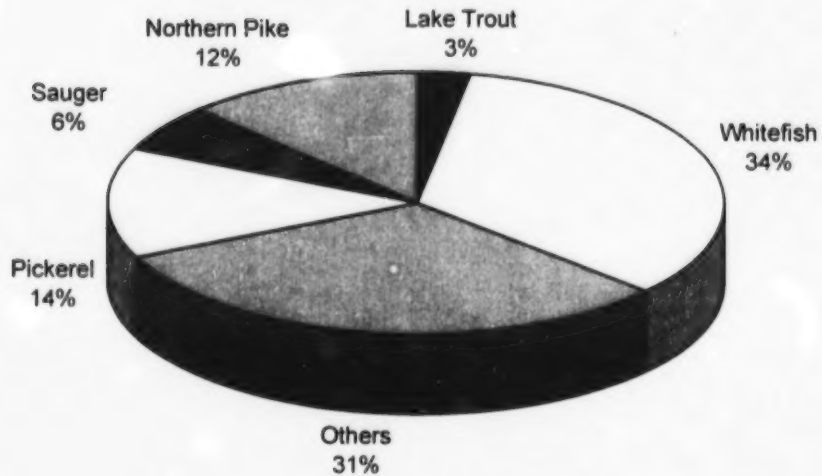


Fig. 1.2
Total Landed Value by Species
1996/97 Total = \$23 364 000

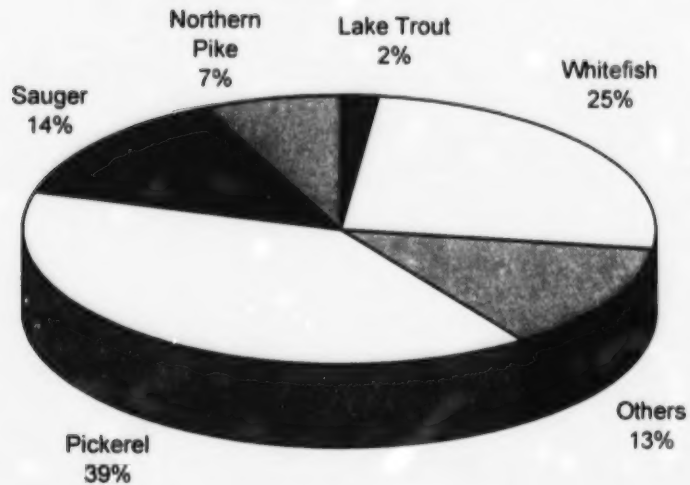


Table 1.1
LANDINGS, LANDED AND MARKETED VALUES BY SPECIES
WESTERN CANADIAN FRESHWATER FISHERIES, 1996/97.
(quantities in live weight equivalent tonnes and values in \$000s)

Species	Quantity	Landed Value	Marketed Value
Whitefish	6 344	5 668	12 275
Whitefish roe	33	214	476
Pickeral	2 593	9 196	15 247
Sauger	1 099	3 184	8 342
Lake trout	530	456	916
Northern Pike	2 350	1 591	4 371
Tullibee	161	87	282
Perch	280	905	1 240
Mullet	4 532	1 290	3 399
Carp	517	194	372
Arctic charr *	111	282	981
Inconnu	66	112	201
Sturgeon	0	0	0
Others	241	186	340
Total	18 856	23 364	48 443

Table 1.2
ESTIMATED NUMBER OF SELF-EMPLOYED FISHERMEN,
WESTERN CANADIAN FRESHWATER FISHERIES, 1996/97.

Season	Self-employed
Summer Only	1 099
Winter Only	949
Both Seasons	664
Total	2 712

* Sources: quantity and landed value, Department of Fisheries and Oceans; marketed value, Northwest Territories Development Corporation. Landed value includes government subsidies paid to fishermen. At press time, the information necessary to separate the subsidy portion from the value of the fish was not available.

Fig. 1.3
Self-employed Fishermen by Season
1996/97 Total= 2 712

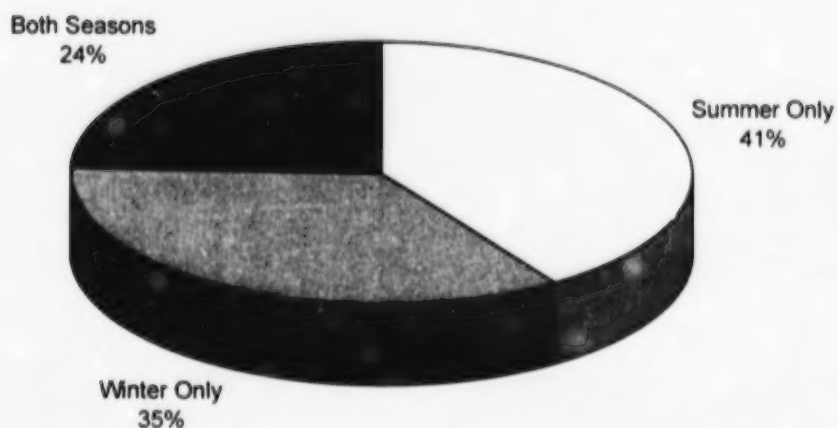


Table 1.3
LANDINGS, LANDED VALUES AND FISHING EFFORT,
BY SELF-EMPLOYED FISHERMEN
WESTERN CANADIAN FRESHWATER FISHERIES, 1996/97.

Landed Value Range	Number of Fishermen	Averages Per Fisherman			
		Deliveries	Weeks	Weight	Total Payments
\$0 - \$2,000	797	7.4	3.6	751	857
\$2,001 - \$4,000	404	19.2	7.6	2 187	2 959
\$4,001 - \$6,000	341	27.5	10.1	3 386	4 961
\$6,001 - \$8,000	242	34.6	11.4	4 766	7 006
\$8,001 - \$10,000	186	37.7	11.9	5 940	8 958
\$10,001 - \$14,000	267	41.7	12.7	6 858	11 868
\$14,001 - \$20,000	203	46.5	14.9	10 132	16 517
\$20,001 - \$30,000	159	53.8	16.2	14 300	24 044
\$30,001 - \$40,000	59	58.8	19.4	19 763	34 980
\$40,001+	54	75.9	22.7	46 939	69 215
Total	2 712	27.7	9.5	5 442	8 511

Fig. 1.4
Distribution of Landed Values among Self-Employed Fishermen
Western Canada, 1996/97

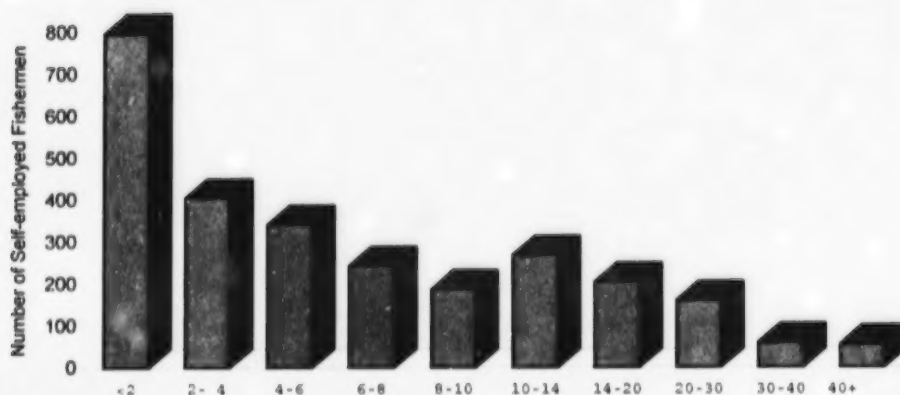


Table 1.4
DISTRIBUTION OF LANDED VALUES AMONG SELF-EMPLOYED FISHERMEN,
WESTERN CANADIAN FRESHWATER FISHERIES TREND.

Landed Value Range (nominal dollars)	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
	(number of fishermen)									
\$0 - \$2,000	797	651	761	946	866	866	1 164	1 235	983	787
\$2,001 - \$4,000	404	406	374	472	540	492	567	573	603	510
\$4,001 - \$6,000	341	303	264	286	308	355	345	365	389	373
\$6,001 - \$8,000	242	242	197	204	284	266	281	322	340	271
\$8,001 - \$10,000	186	197	196	156	214	215	192	199	236	259
\$10,001 - \$14,000	267	279	250	225	264	338	286	343	361	382
\$14,001 - \$20,000	203	281	247	188	274	332	211	266	348	360
\$20,001 - \$30,000	159	231	225	128	210	272	112	146	234	346
\$30,001 - \$40,000	59	102	95	40	68	100	26	29	81	144
\$40,001+	54	100	70	26	54	83	36	45	73	110
Total	2 712	2 792	2 679	2 671	3 082	3 319	3 220	3 523	3 648	3 542

Fig. 1.5
Landings by Major Lakes
1996/97 Total= 18 856 tonnes

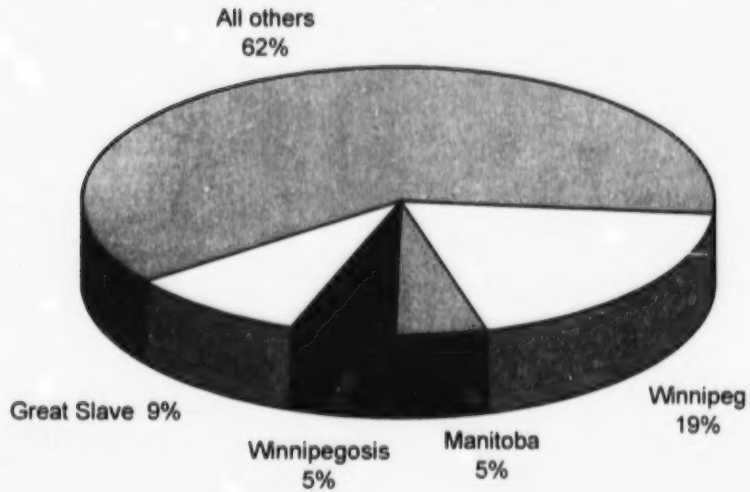


Fig. 1.6
Landed Values by Major Lakes
1996/97 Total = \$23 364 000

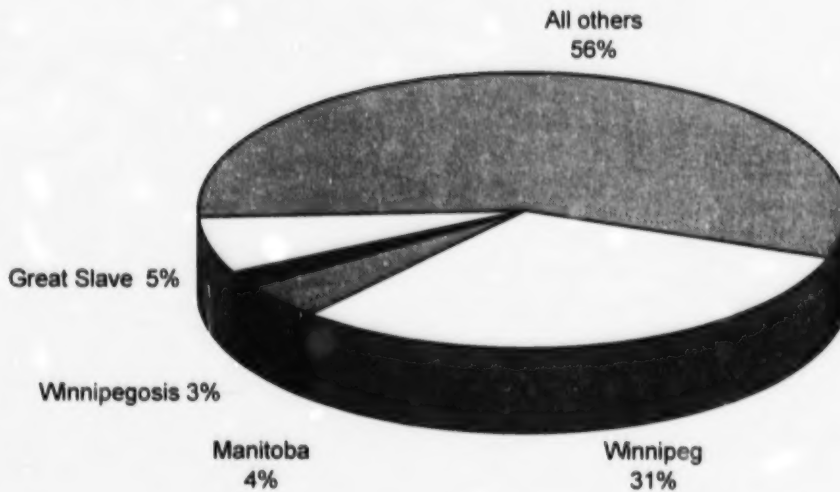


Table 1.5
LANDINGS BY MAJOR WESTERN CANADIAN LAKES, 1996/97.
(live equivalent tonnes)

Species	Winnipeg	Manitoba	Winni- pegosis	Great Slave	All Others	Total
Whitefish	1 105	6	44	1 297	3 925	6 378
Pickeral	912	196	15	17	1 454	2 593
Sauger	849	20	0	0	230	1 099
Lake Trout	0	0	0	112	417	530
Northern Pike	98	59	128	133	1 933	2 350
Tullibee	0	0	0	0	161	161
Perch	72	4	0	0	204	280
Mullet	374	519	806	20	2 813	4 532
Carp	120	70	32	0	294	517
Arctic Char	0	0	0	0	111	111
Inconnu	0	0	0	65	0	65
Sturgeon	0	0	0	0	0	0
Others	80	0	0	68	92	241
Total	3 611	873	1 025	1 712	11 635	18 856

Table 1.6
LANDED VALUES BY MAJOR WESTERN CANADIAN LAKES, 1996/97.
(\$000s)

Species	Winnipeg	Manitoba	Winni- pegosis	Great Slave	All Others	Total
Whitefish	1 014	5	40	1 230	3 593	5 882
Pickeral	3 193	677	50	58	5 218	9 196
Sauger	2 460	60	0	0	664	3 184
Lake Trout	0	0	0	79	377	456
Northern Pike	69	35	87	77	1 325	1 591
Tullibee	0	0	0	0	87	87
Perch	232	12	1	0	659	905
Mullet	105	162	246	3	774	1 290
Carp	53	27	11	0	103	194
Arctic Char	0	0	0	0	282	282
Inconnu	0	0	0	112	0	112
Sturgeon	0	0	0	0	0	0
Others	76	0	0	19	90	186
Total	7 202	977	435	1 577	13 173	23 364

Fig. 1.7
Landings Trend
Western Canadian Freshwater Fisheries

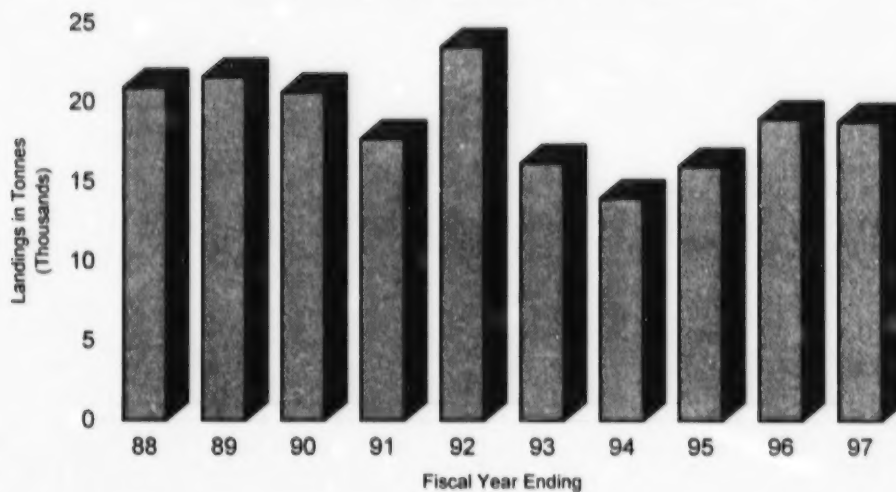


Table 1.7
WESTERN CANADIAN FRESHWATER FISHERIES
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	6 819	7 370	6 199	6 210	6 559	5 411	5 061	6 408	6 436	6 378
Pickereel	3 691	4 600	4 938	3 913	4 358	3 904	3 035	2 987	3 075	2 593
Sauger	2 752	2 761	2 686	2 169	2 508	1 845	1 434	1 693	1 319	1 099
Lake Trout	653	789	749	396	406	326	471	436	449	530
Northern Pike	3 937	3 660	3 338	2 526	3 170	2 619	2 073	1 883	2 435	2 350
Tullibee	261	231	98	59	78	230	144	147	153	161
Perch	310	598	511	460	592	341	168	383	505	280
Mullet	1 822	993	1 562	1 006	4 735	956	1 310	1 155	3 815	4 532
Carp	509	414	325	694	725	122	422	404	445	517
Arctic Char	59	89	82	70	52	41	64	130	138	111
Inconnu	63	56	102	62	35	23	35	37	49	65
Sturgeon	14	12	9	7	6	6	1	3	1	0
Others	66	48	65	173	292	384	82	63	215	241
Total	20 956	21 621	20 664	17 745	23 516	16 207	14 302	15 730	19 038	18 856

Fig. 1.8
Landed Values Trend
Western Canadian Freshwater Fisheries

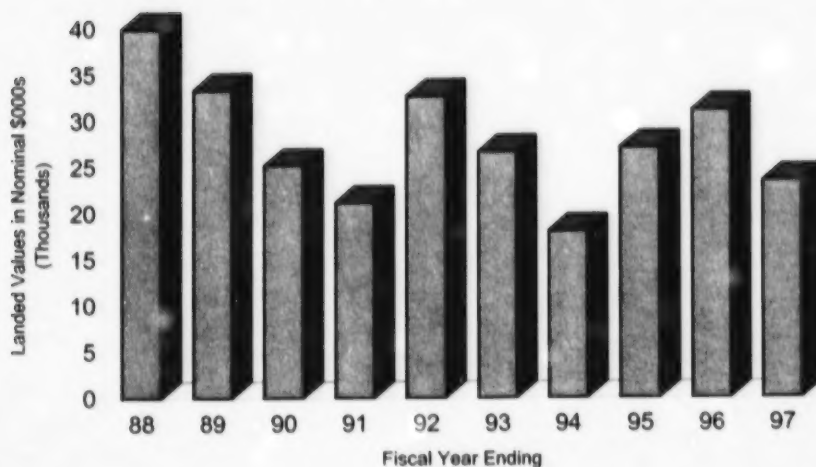


Table 1.8
WESTERN CANADIAN FRESHWATER FISHERIES
TEN YEAR LANDED VALUES TREND.
 (nominal \$000s)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	8 200	8 691	6 140	4 813	5 630	3 989	3 372	6 120	6 408	5 882
Pickereel	16 530	12 387	9 247	7 528	14 035	13 563	8 922	11 982	13 669	9 196
Sauger	6 956	4 967	4 404	3 449	5 371	4 361	2 912	4 574	4 645	3 184
Lake Trout	920	950	658	191	281	191	337	159	445	456
Northern Pike	4 603	3 350	2 146	2 354	3 572	2 800	1 383	1 308	1 757	1 591
Tullibee	164	114	41	27	46	202	84	77	92	87
Perch	999	1 553	1 136	1 396	1 587	720	427	1 654	1 799	905
Mullet	537	297	461	313	1 279	295	427	403	1 154	1 290
Carp	148	112	94	217	259	43	150	144	177	194
Arctic Char	511	571	444	372	230	91	142	356	426	282
Inconnu	126	104	148	112	62	44	66	93	102	112
Sturgeon	139	125	87	64	38	31	19	18	9	0
Others	104	101	143	281	223	257	174	118	195	186
Total	39 941	33 321	25 148	21 116	32 614	26 586	18 415	27 005	30 877	23 364

Fig. 1.9
Landings Trend
By Major Canadian Lakes

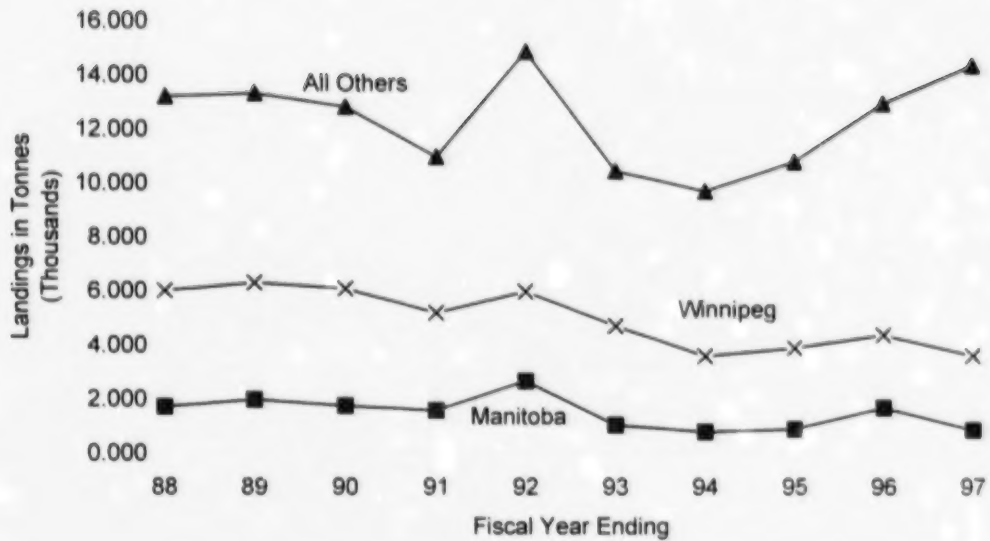


Fig. 1.10
Landed Values Trend
By Major Western Canadian Lakes

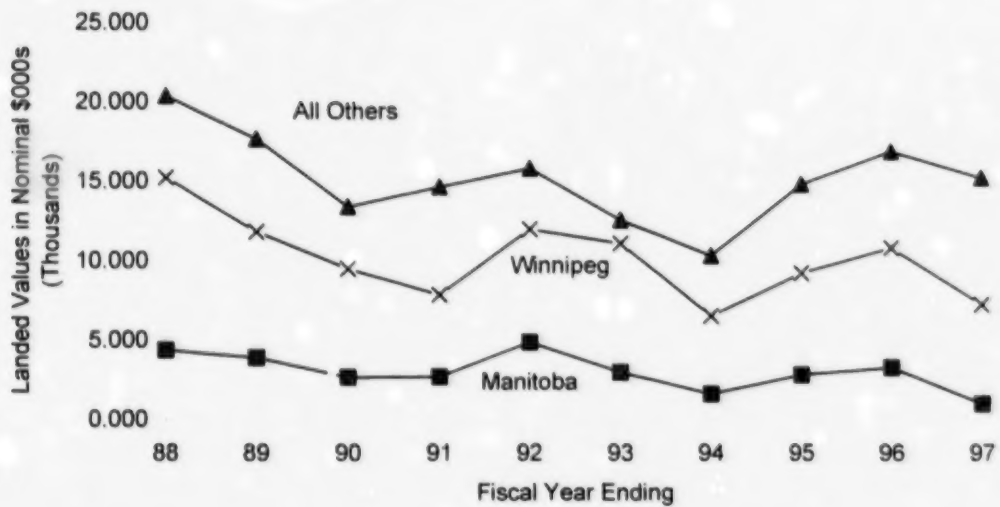


Table 1.9
TEN YEAR LANDINGS TREND BY MAJOR WESTERN CANADIAN LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Winnipeg	6 017	6 309	6 083	5 189	5 981	4 714	3 624	3 882	4 387	3 611
Manitoba	1 726	1 988	1 757	1 591	2 674	1 047	795	887	1 688	873
Winnipegosis	1 544	1 075	1 694	1 075	1 978	817	983	779	1 409	1 025
Great Slave	1 583	1 530	1 800	1 680	1 694	1 484	1 354	1 410	1 446	1 712
All Others	10 086	10 720	9 329	8 210	11 189	8 145	7 546	8 772	10 107	11 635
Total	20 956	21 622	20 663	17 745	23 516	16 207	14 302	15 730	19 038	18 856

Table 1.10
TEN YEAR LANDED VALUES TREND BY MAJOR WESTERN CANADIAN LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Winnipeg	15 219	11 804	9 464	7 842	11 969	11 074	6 546	9 246	10 789	7 202
Manitoba	4 361	3 875	2 634	2 672	4 845	2 970	1 618	2 782	3 256	977
Winnipegosis	1 345	914	1 049	679	1 669	688	465	448	695	435
Great Slave	2 100	1 998	1 919	1 567	1 616	1 219	949	1 437	1 573	1 577
All Others	16 915	14 730	10 410	12 388	12 516	10 637	8 837	13 093	14 588	13 173
Total	39 941	33 321	25 148	21 116	32 614	26 586	18 415	27 005	30 901	23 364

Fig. 1.11
Sales Volume by Major Product Type
1996/97 Total = 10 882 tonnes

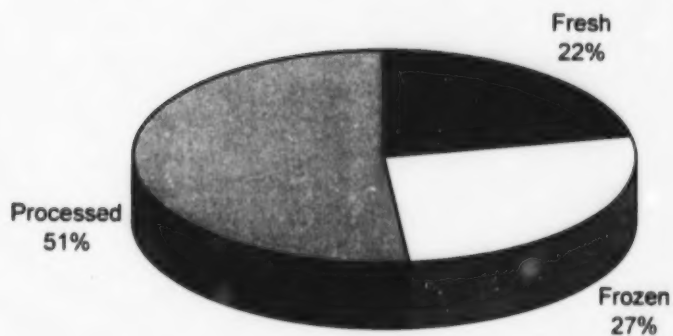


Fig. 1.12
Sales Values by Major Product
1996/97 Total = \$45 415 000

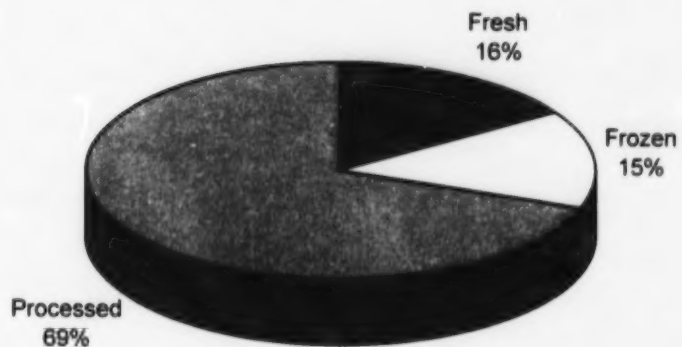


Fig. 1.13
Domestic Sales by Species
1996/97 Total = 2 556 tonnes

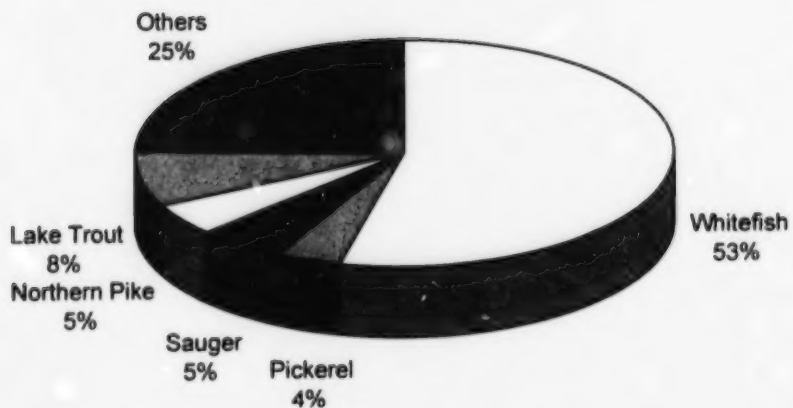


Fig. 1.14
Export Sales by Species
1996/97 Total = 8 327 tonnes

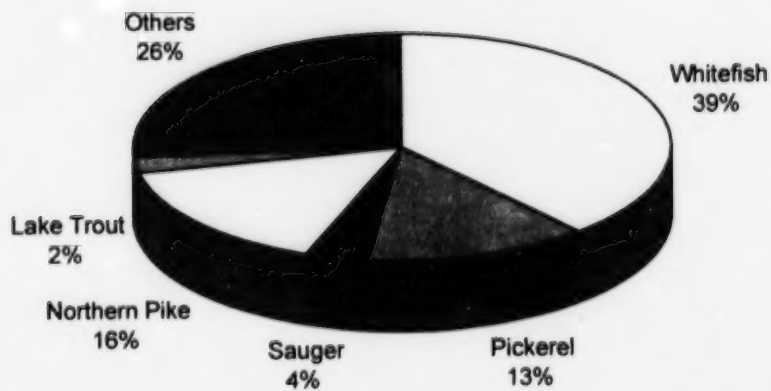


Table 1.11
SALES BY MAJOR PRODUCT TYPE.
1996/97
(product weights in tonnes)

Species	Fresh	Frozen	Processed	Total
Whitefish	1 688	2 015	886	4 589
Pickereel	153	16	1 049	1 218
Sauger	0	0	449	449
Northern Pike	75	221	1 158	1 454
Lake Trout	93	268	3	364
Tullibee	0	78	0	78
Perch	262	12	3	277
Mullet	12	111	1 856	1 979
Carp	8	59	158	224
Arctic Char *	n/a	n/a	n/a	n/a
Inconnu	0	37	0	37
Sturgeon	0	0	0	0
Others	65	101	47	213
Total	2 355	2 918	5 609	10 882

Table 1.12
DOMESTIC AND EXPORT SALES.
1996/97
(product weights in tonnes)

Species	Domestic	Export
Whitefish	1 375	3 214
Pickereel	103	1 115
Sauger	134	315
Northern Pike	121	1 333
Lake Trout	196	168
Tullibee	43	35
Perch	223	54
Mullet	132	1 848
Carp	41	183
Arctic Char	n/a	n/a
Inconnu	2	35
Sturgeon	0	0
Others	186	27
Total	2 556	8 327

n/a = not available

* Data is not available for the breakdown of product type.

SECTION 2
REGIONAL ANALYSIS

Fig. 2.1
Landings by Region
1996/97 Total = 18 856 tonnes

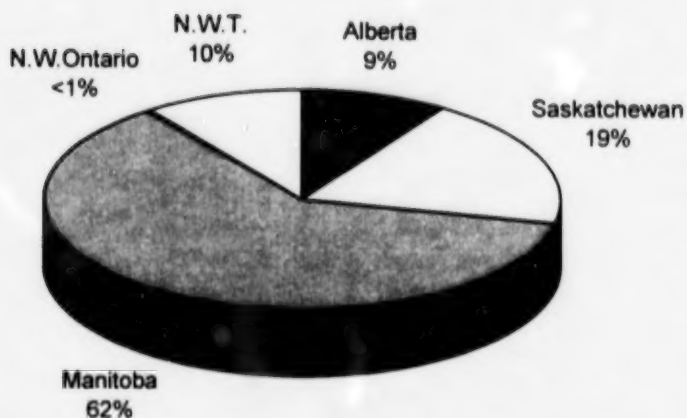


Fig. 2.2
Landed Values by Region
1996/97 = \$23 364 000

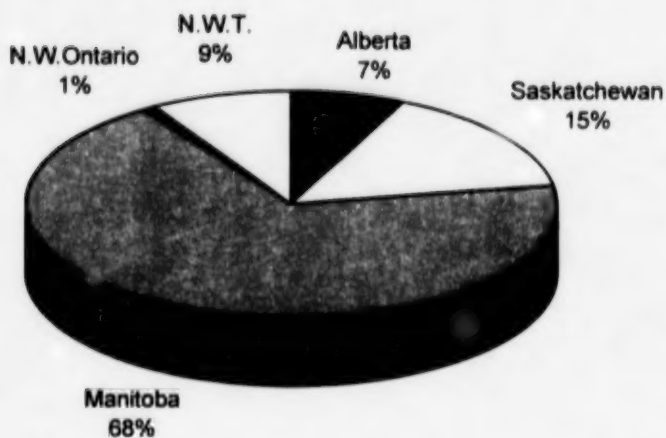


Table 2.1
LANDINGS, LANDED VALUES AND
MARKETED VALUES
BY REGION, 1996/97
(live equivalent tonnes and \$000s)

Province	Landings	Landed Value	Marketed Value
Alberta	1 716	1 642	3 490
Saskatchewan	3 615	3 546	7 292
Manitoba	11 593	15 966	32 597
N.W.Ontario	65	200	348
N.W.T.	1 867	2 011	4 716
Total	18 856	23 364	48 443

Table 2.2
ESTIMATED NUMBER OF SELF-EMPLOYED FISHERMEN,
BY SEASON FISHED AND REGION, 1996/97.

Season	Alta.	Sask.	Man.	Ont.	NWT	Total
Winter Only						
Self-employed	77	274	577	3	18	949
Summer Only						
Self-employed	54	238	770	13	24	1 099
Both Seasons						
Self-employed	60	46	515	9	34	664
Total	191	558	1 862	25	76	2 712

Fig. 2.3
Fishermen by Region
1996/97 Total= 2 712

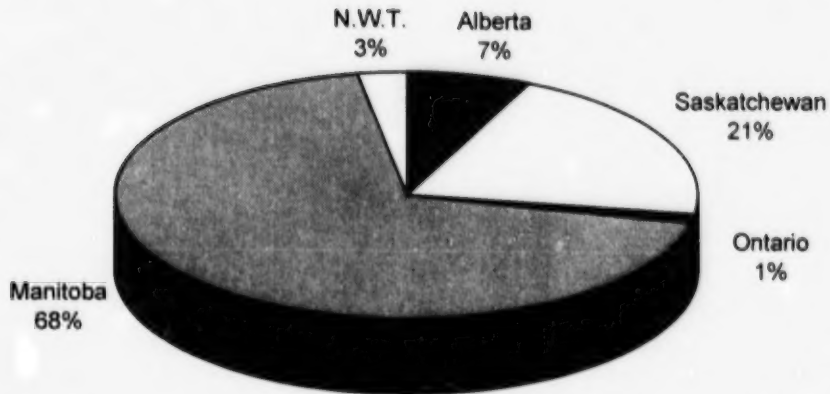


Fig. 2.4
Fishermen by Season and Region
1996/97 Total = 2 712

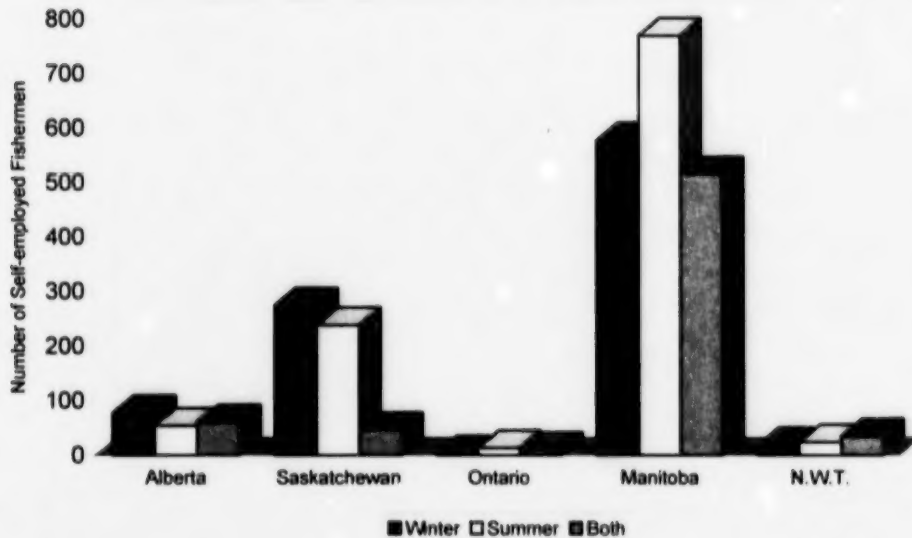


Fig. 2.5
Distribution of Landed Values
by Fishermen and Region, 1996/97

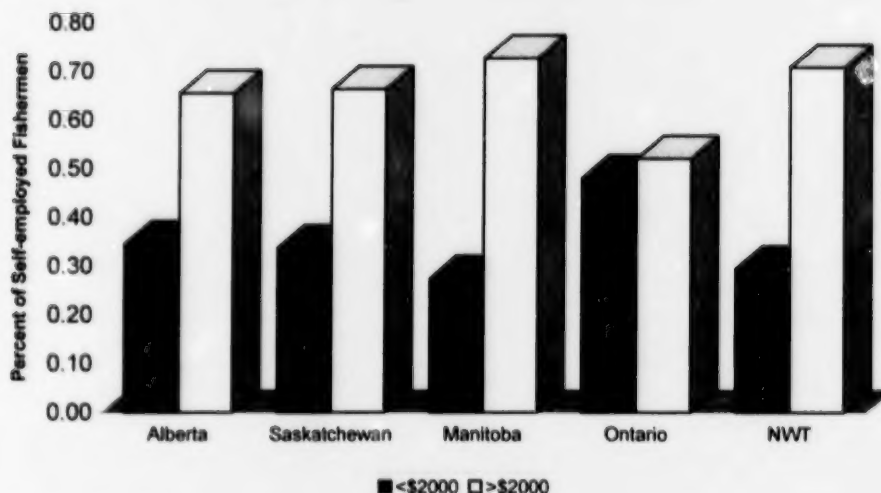


Table 2.3
DISTRIBUTION OF LANDED VALUES AMONG
SELF-EMPLOYED FISHERMEN, BY REGION.
1996/97

Landed Value	Alta.	Sask.	Man.	Ont.	NWT	Region
Range						
(nominal dollars)			(number of fishermen)			
\$0 - \$2,000	66	188	509	12	22	797
\$2,001 - \$4,000	20	94	277	<4	10	404
\$4,001 - \$6,000	25	66	242	<4	7	341
\$6,001 - \$8,000	16	58	164	<4	<4	242
\$8,001 - \$10,000	11	29	144	<4	<4	186
\$10,001 - \$14,000	12	62	187	<4	5	267
\$14,001 - \$20,000	16	27	152	4	4	203
\$20,001 - \$30,000	15	28	109	2	5	159
\$30,001 - \$40,000	6	4	46	<4	<4	59
\$40,001+	4	<4	32	<4	15	54
Total	191	558	1 862	25	76	2 712

SECTION 3
ALBERTA



Fig. 3.1
Alberta Landings by Species
1996/97 Total = 1 716 tonnes

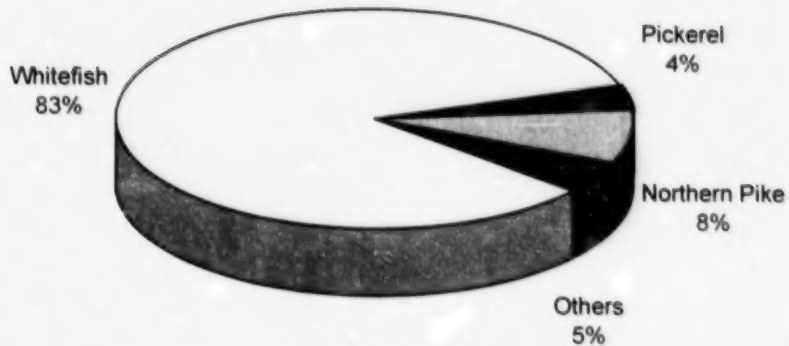


Fig. 3.2
Alberta Landed Values by Species
1996/97 Total = \$ 1 642 000

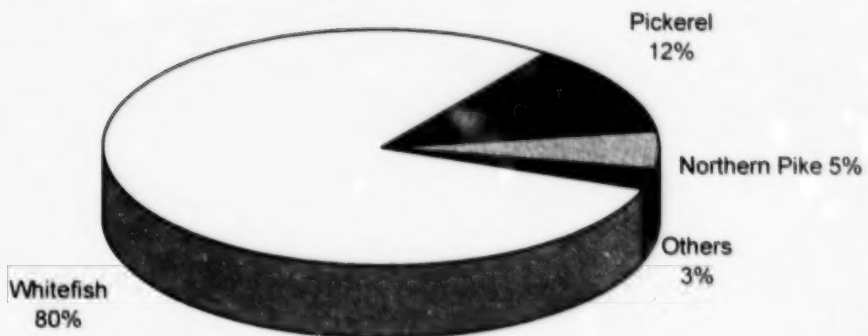


Table 3.1
LANDINGS, LANDED AND MARKETING VALUES BY SPECIES
ALBERTA, 1996/97.
(live weight equivalent tonnes and \$000's)

Species	Quantity	Landed Value	Marketed Value
Whitefish	1 422	1 236	2 573
Whitefish Roe	10	67	151
Pickeral	65	204	379
Northern Pike	136	87	253
Tullibee	50	25	88
Perch	3	9	13
Others	29	13	34
Total	1 716	1 642	3 490

Table 3.2
ESTIMATED NUMBER OF SELF-EMPLOYED
FISHERMEN, ALBERTA, 1996/97.

Season	Self-employed
Summer Only	54
Winter Only	77
Both Seasons	60
Total	191

Table 3.3
DISTRIBUTION OF LANDED VALUES AMONG SELF-EMPLOYED FISHERMEN,
ALBERTA TREND.

Landed Value Range	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
(nominal dollars)	(number of fishermen)									
\$0 - \$2,000	66	58	98	102	89	120	180	184	175	184
\$2,001 - \$4,000	20	25	23	31	41	38	28	48	88	58
\$4,001 - \$6,000	25	23	19	14	18	17	27	31	39	44
\$6,001 - \$8,000	16	7	23	9	16	19	16	14	30	30
\$8,001 - \$10,000	11	11	<4	10	14	11	11	9	15	25
\$10,001 - \$14,000	12	9	7	11	14	19	23	15	15	30
\$14,001 - \$20,000	16	16	10	4	14	23	14	17	22	31
\$20,001 - \$30,000	15	16	12	9	9	12	11	7	11	21
\$30,001 - \$40,000	6	9	6	6	<4	4	4	<4	6	7
\$40,001+	4	4	7	<4	<4	4	<4	<4	<4	7
Total	191	178	208	197	218	267	316	328	403	437

Fig. 3.3
Distribution of Landed Values among Self-Employed Fishermen
Alberta, 1996/97

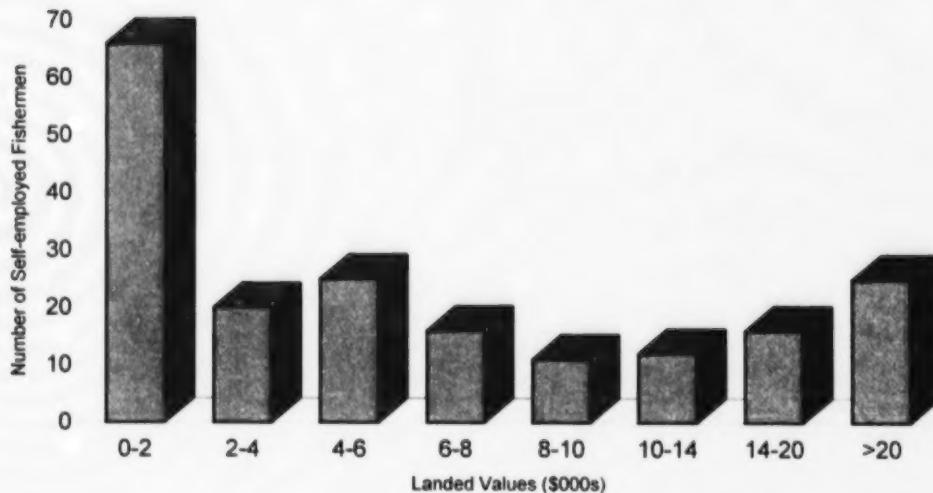


Table 3.4
LANDINGS, LANDED VALUES AND FISHING EFFORT, BY SELF-EMPLOYED
FISHERMEN, ALBERTA, 1996/97

Landed Value Range	Number of Fishermen	Averages Per Fishermen			
		Deliveries	Weeks	Weight	Total Payments
\$0 - \$2,000	66	2.9	1.7	477	652
\$2,001 - \$4,000	20	6.8	3.0	2 145	2 934
\$4,001 - \$6,000	25	14.0	5.6	3 172	4 900
\$6,001 - \$8,000	16	15.1	5.9	4 850	6 902
\$8,001 - \$10,000	11	18.7	6.1	7 661	8 954
\$10,001 - \$14,000	12	16.3	6.3	7 824	11 607
\$14,001 - \$20,000	16	30.5	11.4	10 802	16 078
\$20,001 - \$30,000	15	33.1	16.1	18 416	24 006
\$30,001 - \$40,000	6	64.8	23.2	36 588	35 296
\$40,001+	4	79.3	24.8	63 107	59 523
Total	191	15.8	6.3	6 975	8 597

Fig. 3.4
Landings by Major Lakes
Alberta 1996/97 Total = 1 716 tonnes

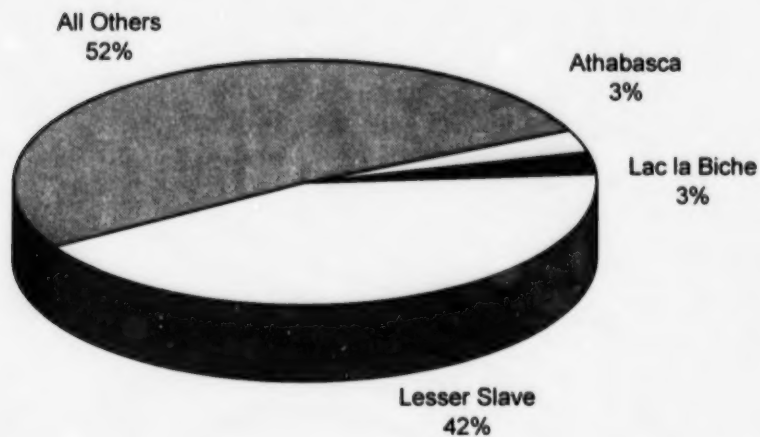


Fig. 3.5
Landed Values by Major Lakes
Alberta 1996/97 Total = \$1 642 000

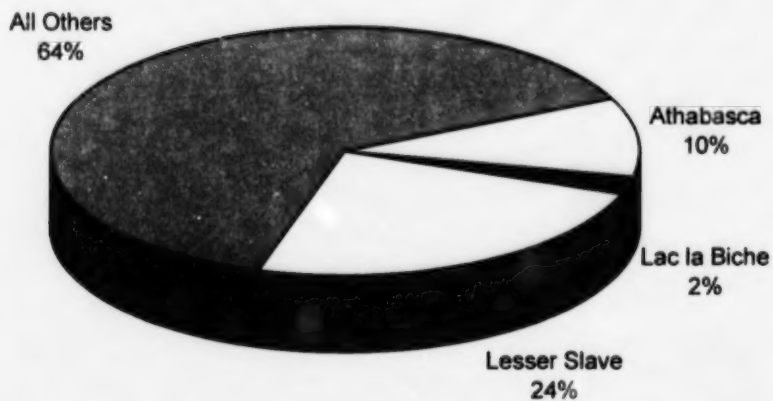


Table 3.5
LANDINGS BY MAJOR LAKES
ALBERTA, 1996/97.
(live equivalent tonnes)

Species	Athabasca	Lac la Biche	Lesser Slave	Wabamun	All Others	Total
Whitefish	0	36	689	0	708	1 433
Pickereel	51	0	7	0	7	65
Northern Pike	0	1	25	0	110	136
Tullibee	0	0	0	0	50	50
Perch	0	0	2	0	1	3
Others	3	10	6	0	10	29
Total	54	47	728	0	887	1 716

Table 3.6
LANDED VALUES BY MAJOR LAKES
ALBERTA, 1996/97.
(\$000s)

Species	Athabasca	Lac la Biche	Lesser Slave	Wabamun	All Others	Total
Whitefish	0	33	350	0	920	1 303
Pickereel	164	0	20	0	20	204
Northern Pike	0	1	17	0	69	87
Tullibee	0	0	0	0	25	25
Perch	0	0	5	0	4	9
Others	6	2	2	0	3	13
Total	170	37	394	0	1 041	1 642

Fig. 3.6
Alberta Landings Trend

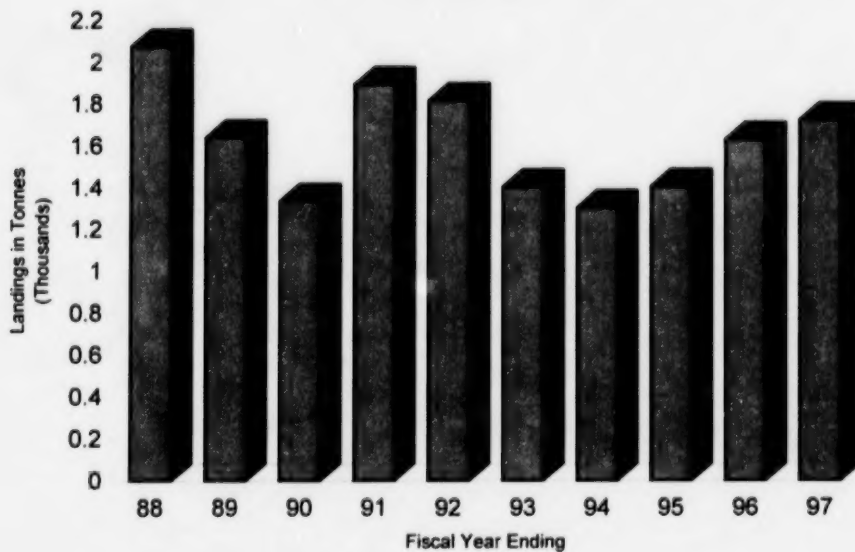


Table 3.7
ALBERTA
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	1 566	1 287	1 080	1 577	1 385	1 032	1 073	1 242	1 237	1 433
Pickereel	103	99	88	42	32	75	61	57	89	65
Northern Pike	306	169	152	261	357	243	176	109	201	136
Tullibee	97	83	11	9	2	14	6	20	52	50
Others	2	1	3	1	38	28	9	5	44	32
Total	2 074	1 639	1 334	1 890	1 813	1 392	1 325	1 432	1 624	1 716

Fig. 3.7
Alberta Landed Values Trend

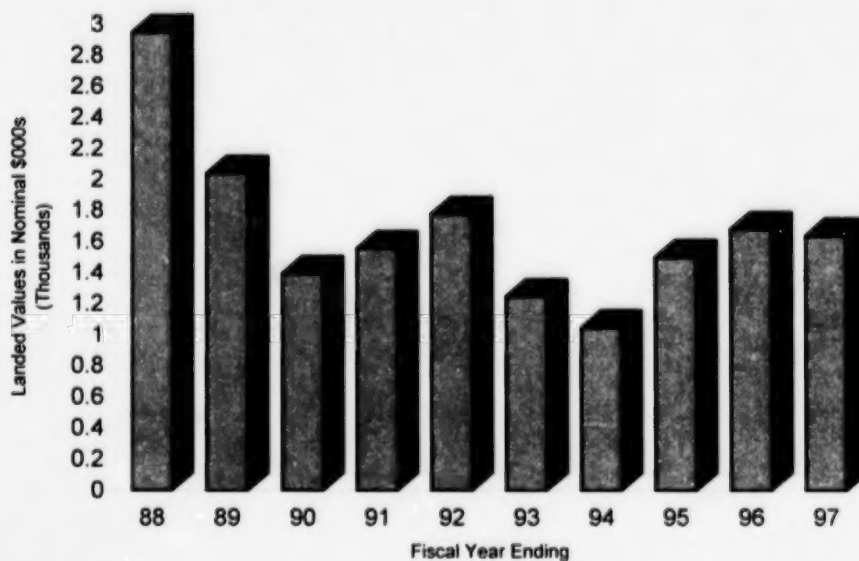


Table 3.8
ALBERTA
TEN YEAR LANDED VALUES TREND.
(nominal \$000's)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	2 109	1 623	1 174	1 205	1 241	757	720	1 212	1 104	1 303
Pickrel	406	347	103	85	91	203	189	221	366	204
Northern Pike	367	158	108	256	420	270	113	67	137	87
Tullibee	62	46	5	4	1	2	4	10	29	25
Others	5	1	5	5	24	15	22	14	46	22
Total	2 948	2 041	1 394	1 555	1 778	1 247	1 048	1 523	1 682	1 642

Fig. 3.8
Alberta Landing Trends
By Major Lakes

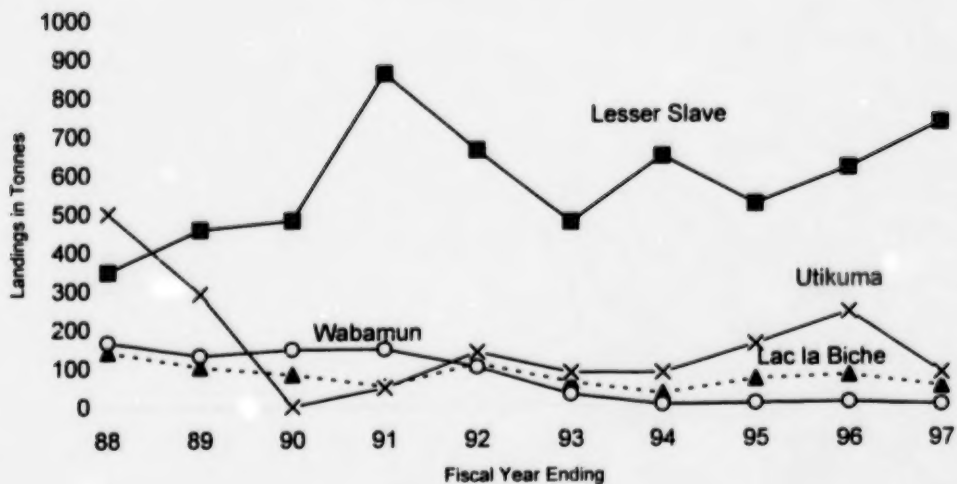


Fig. 3.9
Alberta Landed Values Trend
By Major Lakes

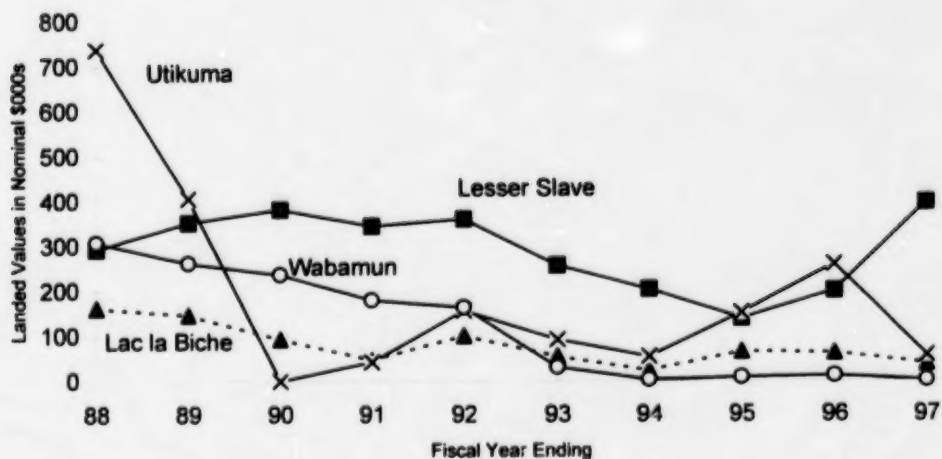


Table 3.9
ALBERTA
TEN YEAR LANDINGS TREND BY MAJOR LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Athabasca	78	73	77	33	20	67	84	41	75	54
Lac la Biche	142	103	83	51	110	61	31	67	77	47
Lesser Slave	350	458	481	860	661	474	644	520	612	728
Utikuma	501	292	0	48	139	85	84	158	239	82
Wnagami	267	19	0	114	12	15	38	159	85	0
Wabamun	167	132	147	147	101	29	2	5	7	0
All others	736	694	546	637	771	662	442	483	528	805
Total	2 074	1 639	1 334	1 890	1 813	1 392	1 325	1 432	1 624	1 716

Table 3.10
ALBERTA
TEN YEAR LANDED VALUES TREND BY MAJOR LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Athabasca	274	123	76	59	45	171	96	143	292	170
Lac la Biche	162	147	93	46	100	54	22	64	61	37
Lesser Slave	293	352	381	344	359	256	203	137	199	394
Utikuma	738	406	0	42	156	91	53	150	257	55
Wnagami	397	36	0	33	19	17	70	321	131	0
Wabamun	308	262	236	179	163	30	2	7	10	0
All others	1084	977	608	851	936	629	602	702	733	986
Total	2 948	2 041	1 394	1 554	1 778	1 247	1 048	1 524	1 682	1 642

SECTION 4
SASKATCHEWAN

Fig. 4.1
Saskatchewan Landings by Species
1996/97 Total = 3 615 tonnes

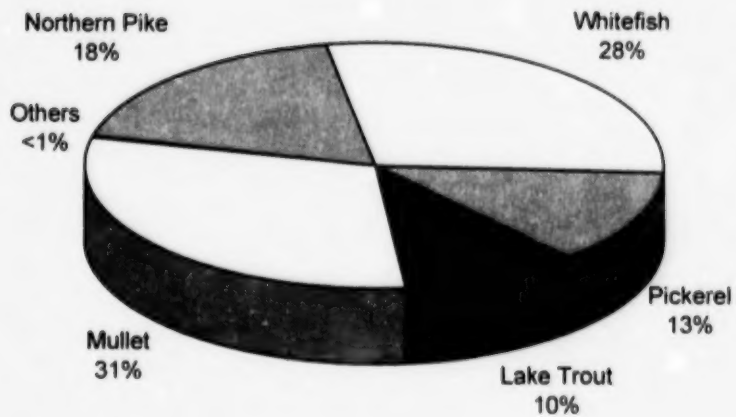


Fig. 4.2
Saskatchewan Landed Values by Species
1996/97 Total = \$3 546 000

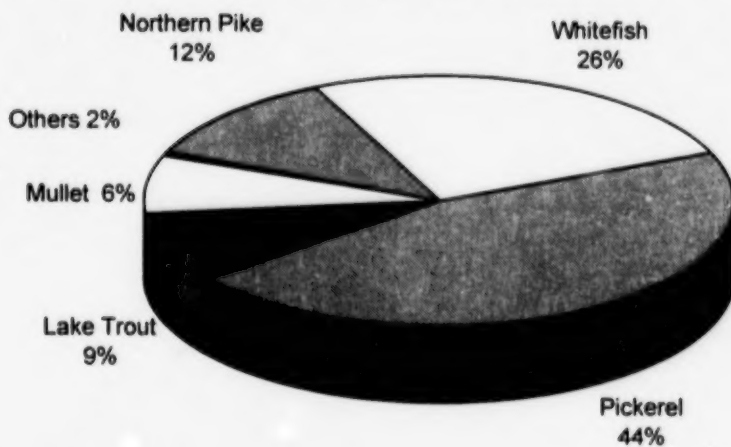


Table 4.1
LANDINGS, LANDED AND MARKETING VALUES BY SPECIES
SASKATCHEWAN, 1996/97.
(live weight equivalent tonnes and \$000's)

Species	Quantity	Landed Value	Marketed Value
Whitefish	1 030	908	1 915
Pickeral	452	1 611	2 657
Sauger	1	5	10
Lake Trout	363	322	627
Northern Pike	658	416	1 224
Mullet	1 095	267	821
Sturgeon	0	0	0
Others	16	16	38
Total	3 615	3 546	7 292

Table 4.2
ESTIMATED NUMBER OF SELF-EMPLOYED
FISHERMEN, SASKATCHEWAN, 1996/97

Season	Self-employed
Summer Only	238
Winter Only	274
Both Seasons	46
Total	558

Table 4.3
DISTRIBUTION OF LANDED VALUES AMONG SELF-EMPLOYED FISHERMEN,
SASKATCHEWAN TREND.

Landed Value	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
Range										
(nominal dollars)										
\$0 - \$2,000	188	184	186	207	237	217	274	301	252	173
\$2,001 - \$4,000	94	100	90	100	133	137	148	161	158	125
\$4,001 - \$6,000	66	86	76	62	69	76	64	82	112	83
\$6,001 - \$8,000	58	45	41	46	67	67	48	57	80	65
\$8,001 - \$10,000	29	25	36	30	40	44	33	35	48	47
\$10,001 - \$14,000	62	55	49	34	48	56	28	34	43	67
\$14,001 - \$20,000	27	44	36	16	29	42	20	23	35	52
\$20,001 - \$30,000	28	34	21	15	20	33	8	7	29	40
\$30,001+	6	7	10	5	6	13	5	7	10	16
Total	558	580	545	515	649	685	628	707	767	668

Fig. 4.3
Distribution of Landed Values among Self-Employed Fishermen
Saskatchewan, 1996/97

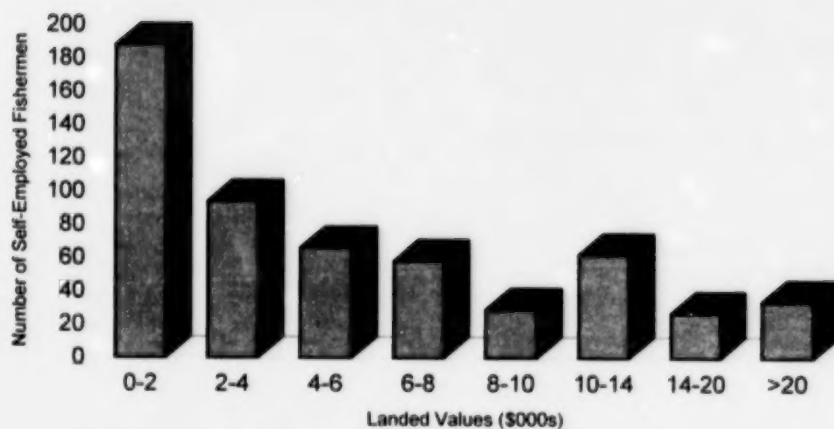


Table 4.4
LANDINGS, LANDED VALUES AND FISHING EFFORT,
BY SELF-EMPLOYED FISHERMEN
SASKATCHEWAN, 1996/97.

Landed Value Range	Number of Fishermen	Averages Per Fishermen			
		Deliveries	Weeks	Weight	Total Payments
\$0 - \$2,000	188	6.6	2.8	777	893
\$2,001 - \$4,000	94	16.3	5.8	2 270	3 026
\$4,001 - \$6,000	66	26.0	7.7	3 738	4 970
\$6,001 - \$8,000	58	31.9	9.3	5 502	6 985
\$8,001 - \$10,000	29	32.6	9.7	7 670	9 005
\$10,001 - \$14,000	62	42.2	10.5	8 067	11 677
\$14,001 - \$20,000	27	47.2	13.0	12 608	16 780
\$20,001 - \$30,000	28	56.2	15.9	22 303	25 330
\$30,001+	6	54.0	15.0	23 773	35 074
Total	558	23.4	7.1	4 941	6 354

Fig. 4.4
Landings by Major Lakes
Saskatchewan 1996/97 Total = 3 615 tonnes

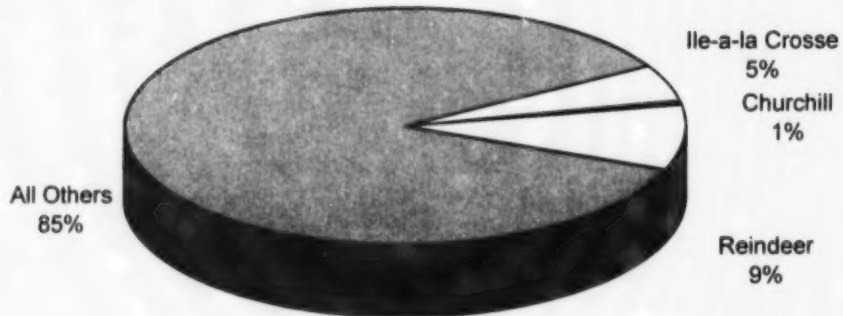


Fig. 4.5
Landed Values by Major lakes
Saskatchewan 1996/97 Total = \$3 546 000

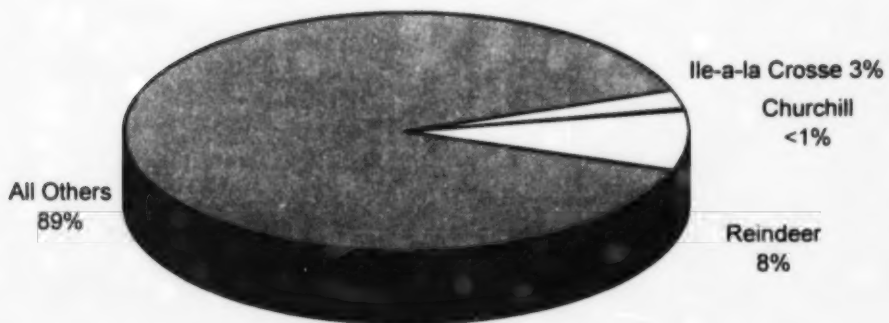


Table 4.5
LANDINGS BY MAJOR LAKES
SASKATCHEWAN, 1996/97.
(live weight equivalent tonnes)

Species	Dore	Ile-a-la Crosse	Churchill	Rein- deer	Pine- house	All Others	Total
Whitefish	0	9	0	49	0	971	1 030
Pickeral	0	6	0	14	0	432	452
Sauger	0	0	0	0	0	1	1
Lake Trout	0	0	0	218	0	145	363
Northern Pike	0	56	7	11	0	584	658
Tullibee	0	0	0	0	0	10	10
Mullet	0	112	12	24	0	947	1 095
Sturgeon	0	0	0	0	0	0	0
Others	0	0	0	0	0	6	6
Total	0	183	19	316	0	3 097	3 615

Table 4.6
LANDED VALUES BY MAJOR LAKES
SASKATCHEWAN, 1996/97.
(\$000's)

Species	Dore	Ile-a-la Crosse	Churchill	Rein- deer	Pine- house	All Others	Total
Whitefish	0	9	0	21	0	877	908
Pickeral	0	20	0	47	0	1 545	1 611
Sauger	0	0	0	0	0	4	5
Lake Trout	0	0	0	201	0	122	322
Northern Pike	0	33	5	7	0	371	416
Tullibee	0	0	0	0	0	5	5
Mullet	0	27	0	6	0	234	267
Sturgeon	0	0	0	0	0	0	0
Others	0	0	3	0	0	8	11
Total	0	90	8	282	0	3 166	3 546

Fig. 4.6
Saskatchewan Landing Trend

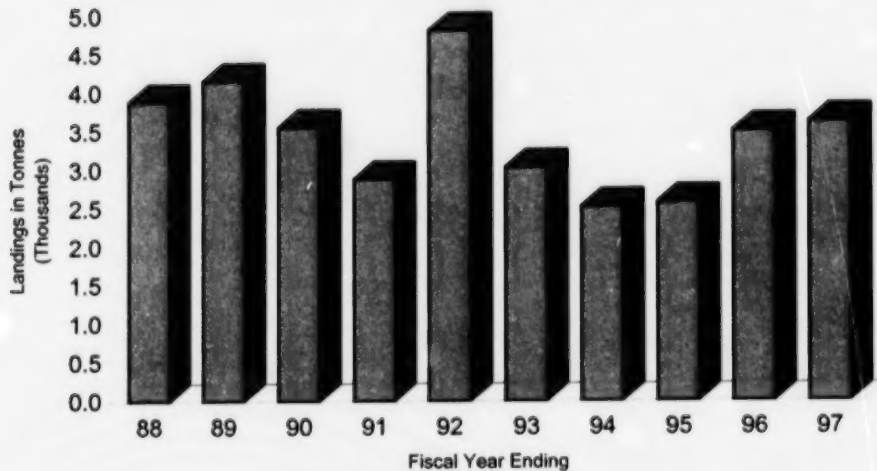


Table 4.7
SASKATCHEWAN
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	874	1 551	1 138	941	1 110	897	747	923	928	1 030
Pickereel	599	601	551	520	582	476	376	465	515	452
Lake Trout	516	687	590	303	301	260	388	337	315	1
Northern Pike	1 280	1 034	974	737	949	851	804	714	727	363
Tullibee	7	9	3	1	0	0	5	3	10	658
Mullet	513	264	294	339	1 757	429	183	119	894	1 095
Sturgeon	3	3	1	3	2	2	1	2	1	0
Others	95	4	3	37	108	115	15	7	106	16
Total	3 887	4 152	3 553	2 880	4 809	3 030	2 517	2 571	3 496	3 615

Fig. 4.7
Saskatchewan Landed Values Trend

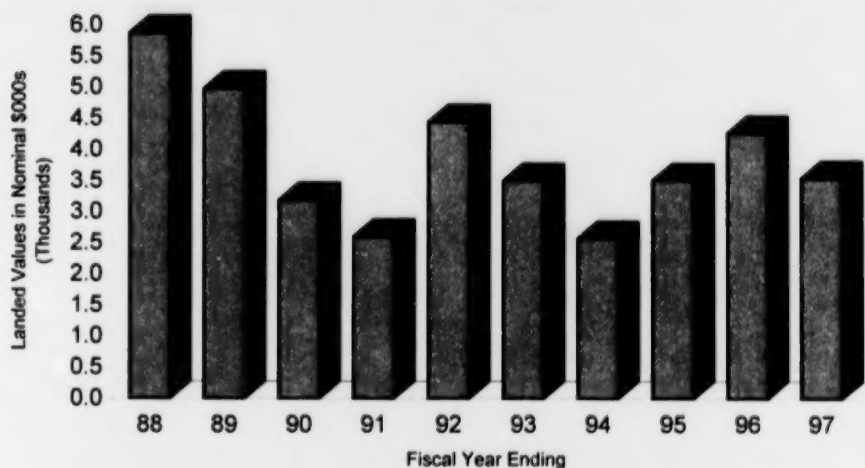


Table 4.8
SASKATCHEWAN
TEN YEAR LANDED VALUES TREND.
(nominal \$000's)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	819	1464	900	557	785	541	487	861	839	908
Pickereel	2 686	1 703	1 103	1 073	1 920	1 686	1 152	1 945	2 306	1 611
Lake Trout	737	830	511	150	206	161	293	121	316	5
Northern Pike	1 415	864	573	666	1 029	883	521	503	509	322
Tullibee	4	5	1	1	0	0	3	2	5	416
Mullet	135	78	84	95	413	117	49	33	220	267
Sturgeon	35	27	9	25	14	11	17	14	5	0
Others	41	5	4	33	72	97	46	23	68	16
Total	5 872	4 976	3 185	2 598	4 438	3 495	2 567	3 501	4 268	3 546

Fig. 4.8
Saskatchewan Landings Trend
by Major Lakes

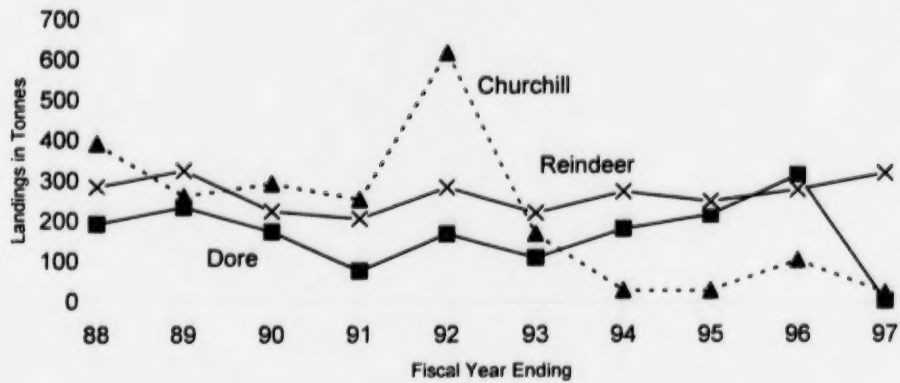


Fig. 4.9
Saskatchewan Landed Values Trend
by Major Lakes

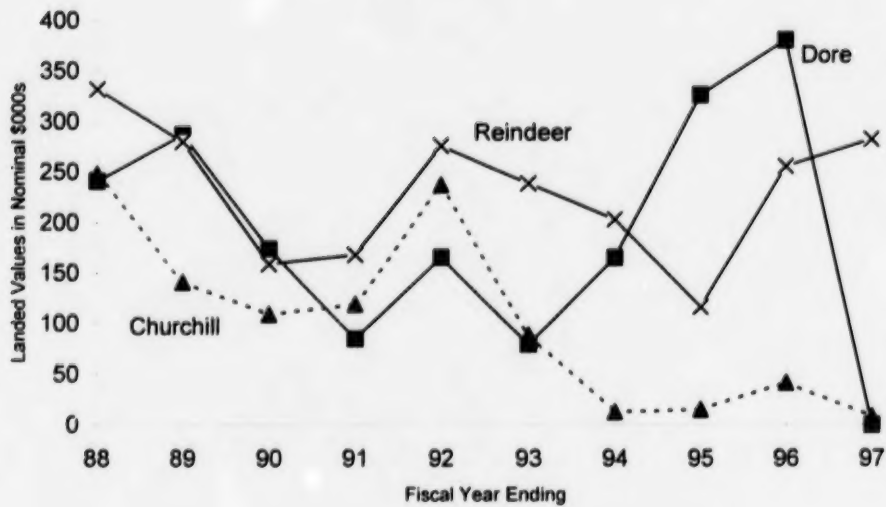


Table 4.9
SASKATCHEWAN
TEN YEAR LANDINGS TREND BY MAJOR LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Athabasca	145	232	136	90	65	60	169	35	0	0
Big Peter Pond	200	177	104	149	300	150	40	125	225	112
Dore	193	234	173	75	167	107	179	214	311	0
Ile-a-la-Crosse	244	110	139	117	509	321	242	209	446	183
Pinehouse	135	108	111	106	130	103	122	102	153	0
Reindeer	285	325	224	205	282	219	271	246	275	316
Churchill	392	261	292	252	616	167	26	25	100	19
All Others	2 293	2 705	2 374	1 886	2 741	1 903	1 469	1 614	1 986	2 985
Total	3 887	4 152	3 553	2 880	4 809	3 030	2 517	2 571	3 496	3 615

Table 4.10
SASKATCHEWAN
TEN YEAR LANDED VALUES TREND BY MAJOR LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Athabasca	223	333	140	37	44	30	124	25	0	0
Big Peter Pond	178	141	62	83	127	75	26	162	178	86
Dore	241	287	174	85	165	80	165	326	380	0
Ile-a-la-Crosse	378	129	121	132	335	239	179	215	250	90
Pinehouse	397	241	170	165	216	225	221	250	282	0
Reindeer	332	280	159	168	276	239	203	116	255	282
Churchill	248	141	109	119	237	89	13	15	41	8
All Others	3 875	3 423	2 250	1 809	3 038	2 519	1 637	2 392	2 880	3 080
Total	5 872	4 975	3 185	2 598	4 438	3 495	2 567	3 501	4 268	3 546

3

SECTION 5
MANITOBA

Fig. 5.1
Manitoba Landings by Species
1996/97 Total = 11 593 tonnes

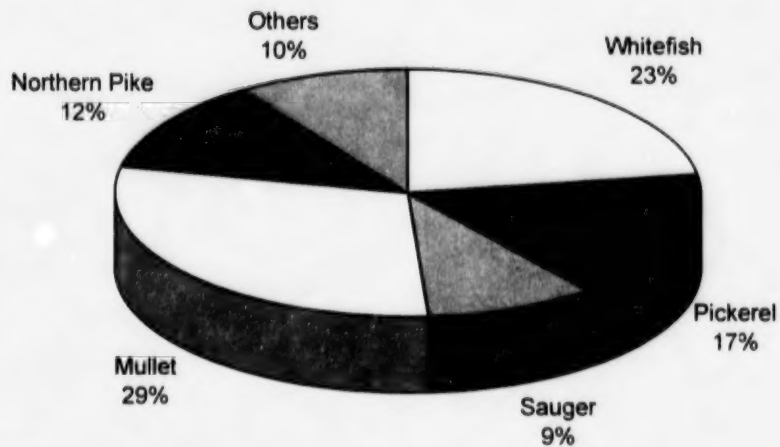


Fig. 5.2
Manitoba Landed Values by Species
1996/97 Total = \$15 966 000

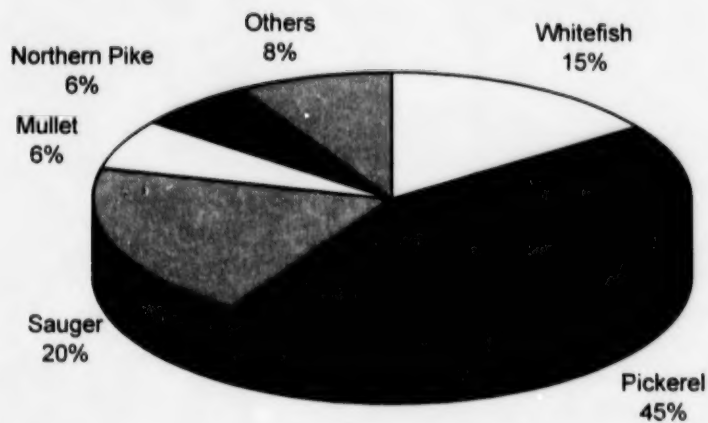


Table 5.1
LANDINGS, LANDED AND MARKETING VALUES BY SPECIES
MANITOBA, 1996/97.
(live weight equivalent tonnes and \$000's)

Species	Quantity	Landed Value	Marketed Value
Whitefish	2 615	2 439	5 432
Pickrel	1 963	6 977	11 543
Sauger	1 098	3 179	8 331
Lake Trout	55	55	95
Northern Pike	1 414	1 007	2 629
Tullibee	101	56	176
Perch	277	895	1 227
Mullet	3 397	1 015	2 548
Carp	517	194	372
Sturgeon	0	0	0
Others	158	148	243
Total	11 593	15 966	32 597

Table 5.2
ESTIMATED NUMBER OF SELF-EMPLOYED
FISHERMEN, MANITOBA, 1996/97.

Season	Self-employed
Summer Only	770
Winter Only	577
Both Seasons	515
Total	1 862

Table 5.3
DISTRIBUTION OF LANDED VALUES AMONG SELF-EMPLOYED FISHERMEN,
MANITOBA TREND.

Landed Value	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
Range										
(nominal dollars)										
\$0 - \$2,000	509	393	453	607	486	413	630	624	468	362
\$2,001 - \$4,000	277	262	245	332	346	297	364	333	327	293
\$4,001 - \$6,000	242	196	161	204	212	240	240	236	215	223
\$6,001 - \$8,000	164	178	129	147	189	174	206	244	218	161
\$8,001 - \$10,000	144	155	154	112	156	157	141	152	168	178
\$10,001 - \$14,000	187	211	186	173	197	257	229	284	297	282
\$14,001 - \$20,000	152	210	198	166	221	257	170	220	284	266
\$20,001 - \$30,000	109	167	186	100	176	222	89	125	201	286
\$30,001 - \$40,000	46	85	79	28	60	84	14	24	58	128
\$40,001+	32	77	44	13	38	58	20	21	42	65
Total	1 862	1 934	1 835	1 882	2 081	2 159	2 103	2 263	2 278	2 244

Fig. 5.3
Distribution of Landed Values among
Manitoba Self-employed Fishermen, 1996/97

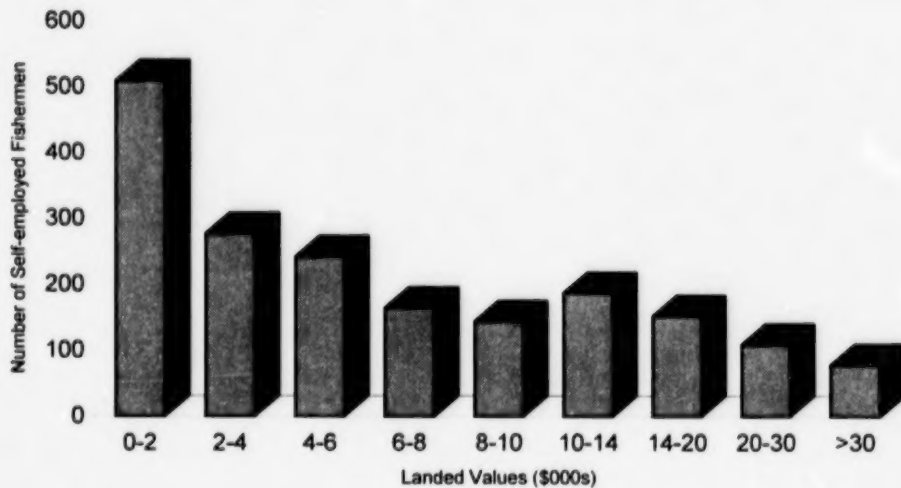


Table 5.4
LANDINGS, LANDED VALUES AND FISHING EFFORT,
BY SELF-EMPLOYED FISHERMEN
MANITOBA, 1996/97.

Landed Value Range	Number of Fishermen	Averages Per Fishermen			
		Deliveries	Weeks	Weight	Total Payments
\$0 - \$2,000	509	8.4	4.2	796	877
\$2,001 - \$4,000	277	21.1	8.6	2 161	2 933
\$4,001 - \$6,000	242	29.3	11.2	3 321	4 958
\$6,001 - \$8,000	164	37.6	12.7	4 516	7 023
\$8,001 - \$10,000	144	40.2	12.8	5 433	8 960
\$10,001 - \$14,000	187	43.0	13.6	6 344	11 973
\$14,001 - \$20,000	152	48.6	15.7	9 650	16 555
\$20,001 - \$30,000	109	56.7	16.2	11 742	23 647
\$30,001 - \$40,000	46	56.6	18.0	16 391	34 997
\$40,001+	32	71.4	20.3	36 911	66 328
Total	1 862	29.9	10.4	4 940	8 575

Fig. 5.4
Landings by Major Lakes
Manitoba 1996/97 = 11 593 tonnes

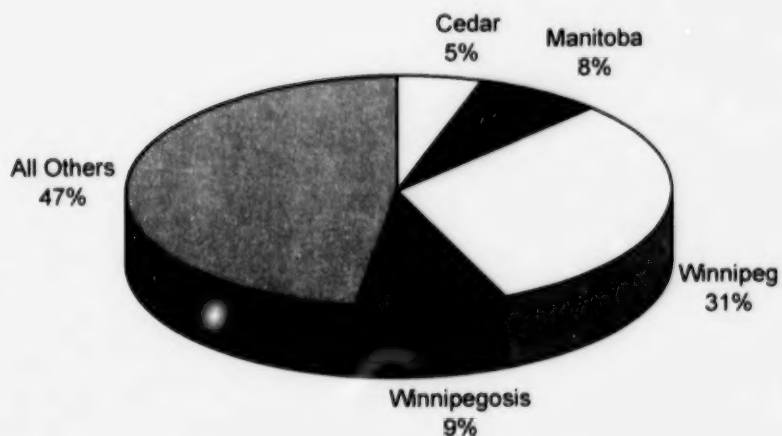


Fig. 5.5
Landed Values by Major Lakes
Manitoba 1996/97 Total = \$15 966 000

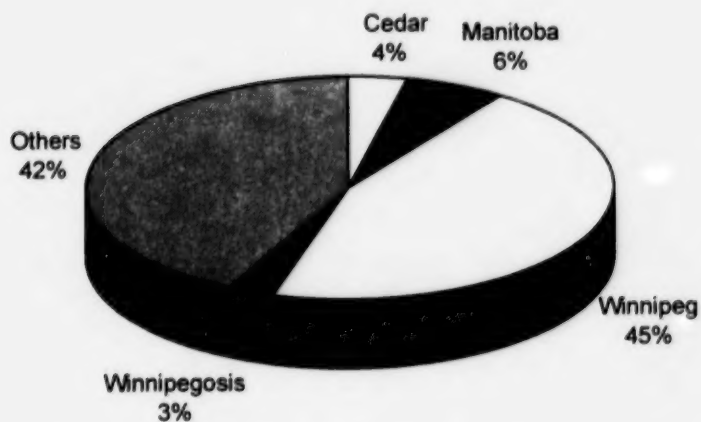


Table 5.5
LANDINGS BY MAJOR LAKES
MANITOBA, 1996/97.
(live weight equivalent tonnes)

Species	Cedar	Manitoba	Winnipeg	Winni- pegosis	All Others	Total
Whitefish	7	6	1 105	44	1 453	2 615
Pickeral	79	196	912	15	762	1 963
Sauger	8	20	849	0	221	1 098
Lake Trout	0	0	0	0	55	55
Northern Pike	179	59	98	128	950	1 414
Tullibee	13	0	0	0	87	101
Perch	0	4	72	0	200	277
Mullet	289	519	374	806	1 409	3 397
Carp	0	70	120	32	294	517
Sturgeon	0	0	0	0	0	0
Others	1	0	80	0	76	158
Total	577	873	3 611	1 025	5 508	11 593

Table 5.6
LANDED VALUES BY MAJOR LAKES
MANITOBA, 1996/97.
(\$000's)

Species	Cedar	Manitoba	Winnipeg	Winni- pegosis	All Others	Total
Whitefish	8	5	1 014	40	1 372	2 439
Pickeral	292	677	3 193	50	2 765	6 977
Sauger	21	60	2 460	0	638	3 179
Lake Trout	0	0	0	0	55	55
Northern Pike	148	35	69	87	669	1 007
Tullibee	8	0	0	0	48	56
Perch	1	12	232	1	649	895
Mullet	90	162	105	246	412	1 015
Carp	0	27	53	11	103	194
Sturgeon	0	0	0	0	0	0
Others	3	0	76	0	68	148
Total	572	977	7 202	435	6 780	15 966

Fig. 5.6
Manitoba Landings Trend

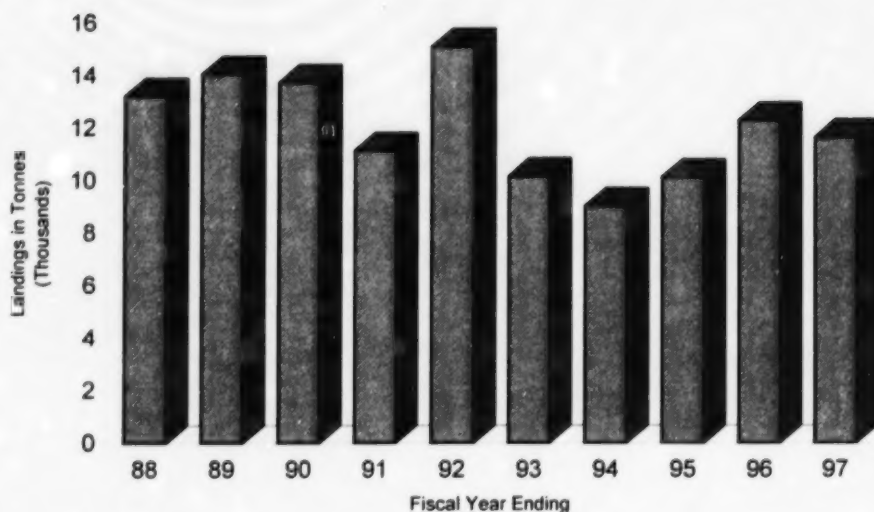


Table 5.7
MANITOBA
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	3 060	3 259	2 574	2 327	2 676	2 226	2 096	3 120	3 126	2 615
Pickeral	2 894	3 748	4 171	3 265	3 713	3 282	2 557	2 370	2 381	1 963
Sauger	2 749	2 758	2 683	2 168	2 507	1 843	1 433	1 692	1 318	1 098
Lake Trout	25	36	26	26	24	26	22	18	56	55
Northern Pike	2 217	2 310	2 011	1 344	1 670	1 377	978	890	1 342	1 414
Tullibee	157	139	84	49	75	211	133	124	92	101
Perch	308	597	509	458	587	339	165	382	502	277
Mullet	1 309	728	1 268	668	2 941	528	1 127	1 036	2 891	3 397
Carp	433	414	325	668	693	122	422	404	445	517
Sturgeon	5	8	7	4	4	2	0	1	1	0
Others	50	47	63	144	185	179	64	51	77	158
Total	13 207	14 044	13 721	11 121	15 073	10 133	8 997	10 086	12 232	11 593

Fig. 5.7
Manitoba Landed Values Trend

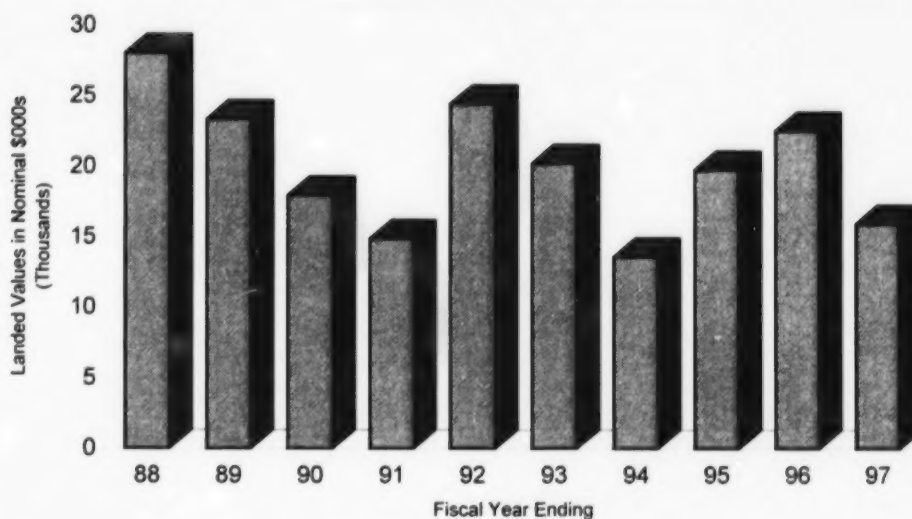


Table 5.8
MANITOBA
TEN YEAR LANDED VALUES TREND.
(nominal \$000's)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	3 575	3 950	2 529	1 805	2 297	1 667	1 396	2 898	3 220	2 439
Pickrel	13 049	10 093	7 819	6 223	11 924	11 435	7 446	9 426	10 598	6 977
Sauger	6 949	4 964	4 402	3 447	5 367	4 355	2 909	4 570	4 642	3 179
Lake Trout	32	38	23	11	17	11	18	7	61	55
Northern Pike	2 665	2 192	1 335	1 270	1 920	1 494	675	625	997	1 007
Tullibee	98	64	35	22	44	186	77	65	57	56
Perch	992	1 550	1 131	1 391	1 573	716	420	1 649	1 790	895
Mullet	403	219	377	219	858	178	378	370	926	1 015
Carp	125	112	94	211	245	43	150	144	177	194
Sturgeon	56	76	70	35	25	10	3	3	3	0
Others	94	99	140	251	157	134	115	89	94	148
Total	28 038	23 356	17 954	14 885	24 427	20 227	13 587	19 847	22 565	15 966

Fig. 5.8
Manitoba Landings Trend
by Major Lakes

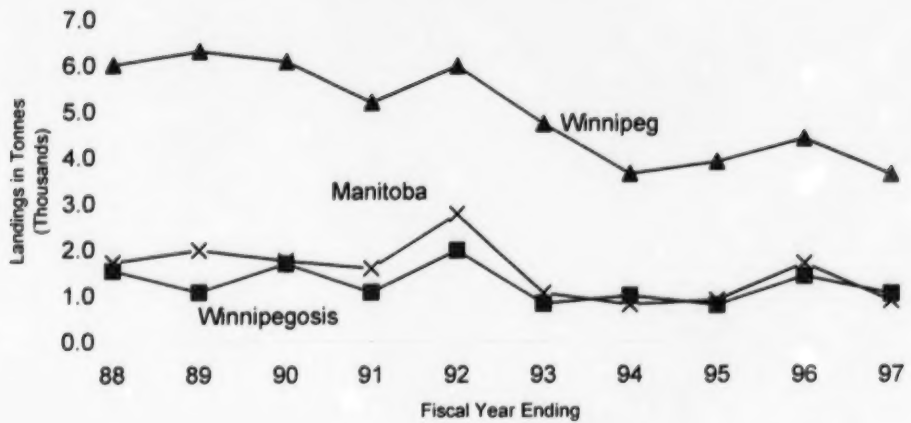


Fig. 5.9
Manitoba Landed Values Trend
by Major Lakes

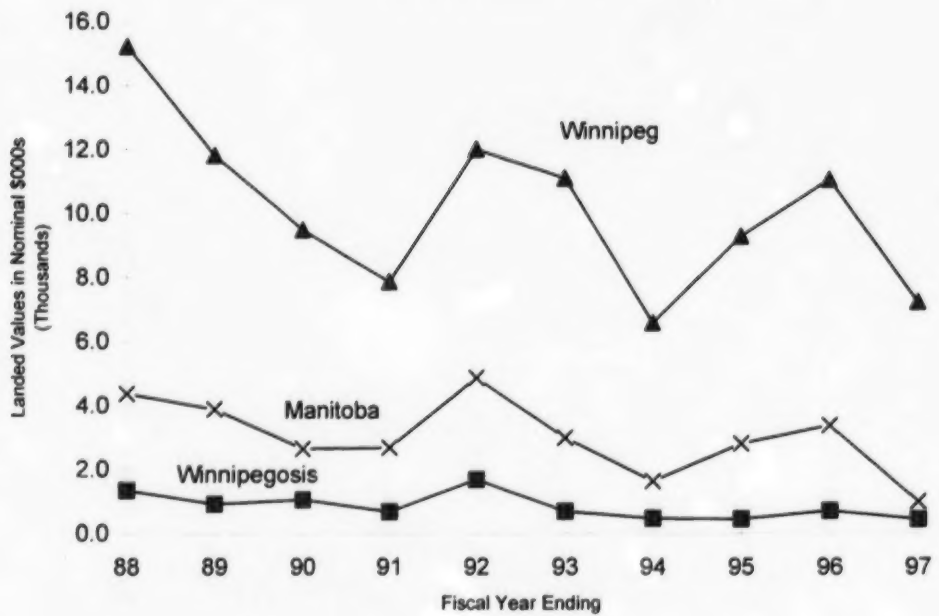


Table 5.9
MANITOBA
TEN YEAR LANDINGS TREND BY MAJOR LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Cedar	857	859	722	281	408	423	742	672	638	577
Manitoba	1 726	1 988	1 757	1 591	2 675	1 047	795	887	1 688	873
Winnipeg	6 017	6 309	6 084	5 189	5 981	4 714	3 624	3 882	4 387	3 611
Winnipegosis	1 544	1 075	1 696	1 074	1 978	817	983	779	1 409	1 025
All Others	3 063	3 813	3 463	2 986	4 033	3 132	2 853	3 866	4 109	5 508
Total	13 207	14 044	13 721	11 121	15 075	10 133	8 997	10 086	12 232	11 593

Table 5.10
MANITOBA
TEN YEAR LANDED VALUES TREND BY MAJOR LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Cedar	1 799	1 532	966	372	573	926	1 284	1 435	943	572
Manitoba	4 361	3 875	2 634	2 672	4 844	2 970	1 618	2 782	3 354	977
Winnipeg	15 219	11 804	9 464	7 842	11 969	11 074	6 546	9 246	11 017	7 202
Winnipegosis	1 345	914	1 049	679	1 670	688	465	448	699	435
All Others	5 313	5 231	3 841	3 320	5 371	4 570	3 674	5 936	6 551	6 780
Total	28 037	23 356	17 954	14 885	24 427	20 227	13 587	19 847	22 565	15 966

SECTION 6
NORTHWESTERN ONTARIO



Fig. 6.1
Northwestern Ontario Landings by Species
1996/97 Total = 65 tonnes

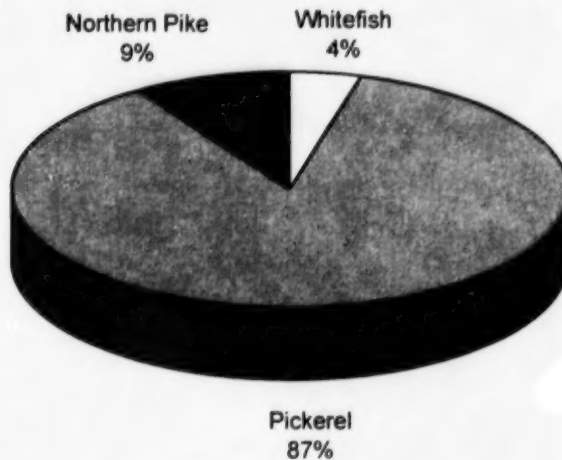


Fig. 6.2
Northwestern Ontario Landed Values by Species
1996/97 Total = \$200 000

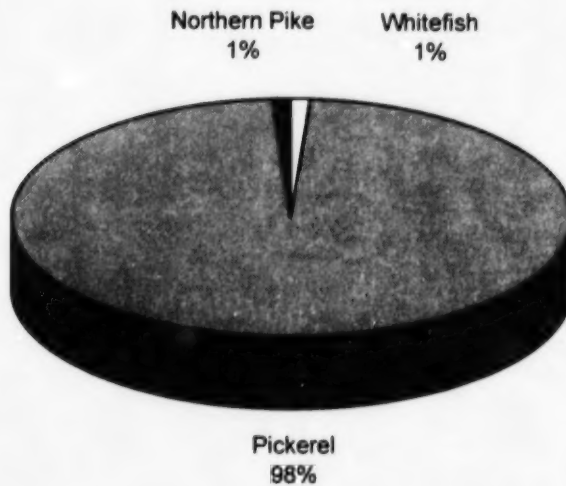


Table 6.1
LANDINGS, LANDED AND MARKETED VALUES BY SPECIES,
NORTHWESTERN ONTARIO, 1996/97.
(live weight equivalent tonnes and \$000's)

Species	Quantity	Landed Value	Marketed Value
Whitefish	3	2	6
Pickeral	56	195	331
Northern Pike	6	2	11
Sturgeon	0	0	0
Total	65	200	348

Table 6.2
ESTIMATED NUMBER OF SELF-EMPLOYED
FISHERMEN, NORTHWESTERN ONTARIO, 1996/97.

Season	Self-employed
Summer Only	13
Winter Only	3
Both Seasons	9
Total	25

Table 6.3
DISTRIBUTION OF LANDED VALUES AMONG
SELF-EMPLOYED FISHERMEN,
NORTHWESTERN ONTARIO TREND.

Landed Value Range	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
(nominal dollars)										
\$0-\$2,000	12	9	7	7	23	20	22	71	50	53
\$2,001-\$4,000	<4	4	4	<4	10	4	5	13	18	25
\$4,001-\$6,000	<4	4	<4	<4	<4	<4	5	4	12	13
\$6,001-\$8,000	<4	<4	<4	<4	5	<4	0	0	4	8
\$8,001-\$10,000	<4	<4	<4	<4	<4	<4	<4	0	<4	<4
\$10,001-\$14,000	<4	<4	<4	<4	<4	<4	<4	<4	0	<4
\$14,001-\$20,000	4	<4	<4	<4	<4	<4	0	0	<4	<4
\$20,001-\$30,000	2	<4	<4	<4	<4	<4	0	<4	<4	<4
\$30,001-\$40,000	<4	<4	<4	<4	<4	0	0	0	<4	<4
\$40,001+	<4	<4	<4	<4	<4	0	0	0	0	0
Total	25	25	12	11	45	30	34	93	84	110

Fig. 6.3
Distribution of Landed Values among
Ontario Self-employed Fishermen, 1996/97

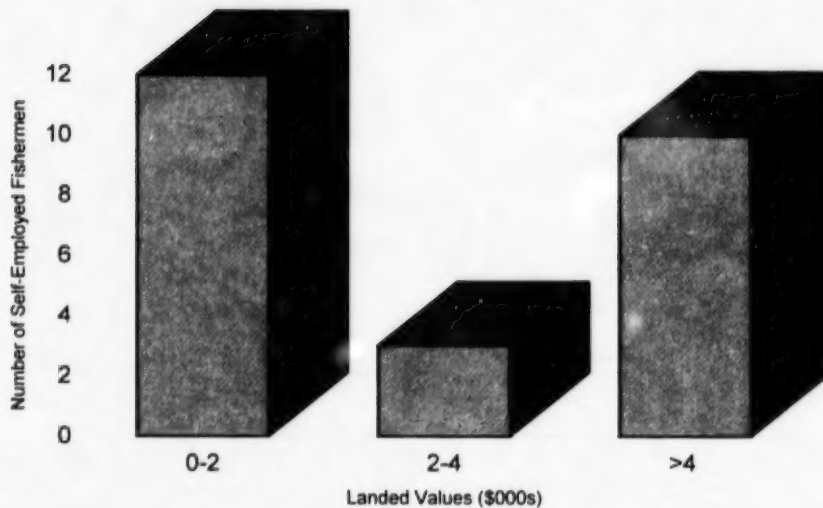


Table 6.4
LANDINGS, LANDED VALUES AND FISHING EFFORT,
BY SELF-EMPLOYED FISHERMEN
NORTHWESTERN ONTARIO, 1996/97.

Landed Value Range	Number of Fishermen	Averages Per Fishermen			
		Deliveries	Weeks	Weight	Total Payments
\$0 - \$2,000	12	5.3	3.1	267	894
\$2,001 - \$4,000	<4	9.3	2.7	906	3 230
\$4,001+	10	24.5	9.9	4 141	17 917
Total	25	13.4	5.8	1 893	7 983

Fig. 6.4
Northwestern Ontario Landings by Major Lakes
1996/97 Total = 65 tonnes

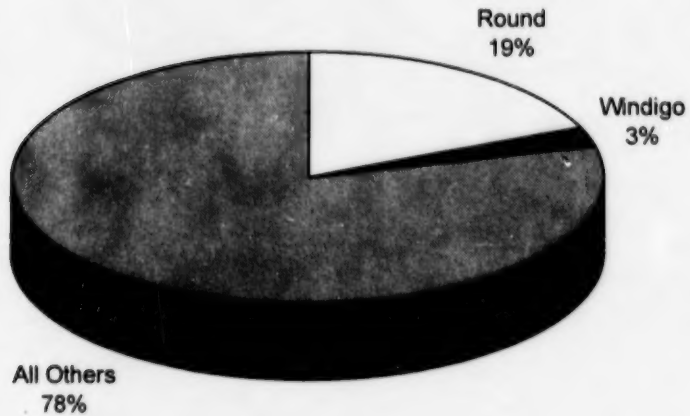


Fig. 6.5
Northwestern Ontario Landed Values by Major Lakes
1996/97 Total = \$200 000

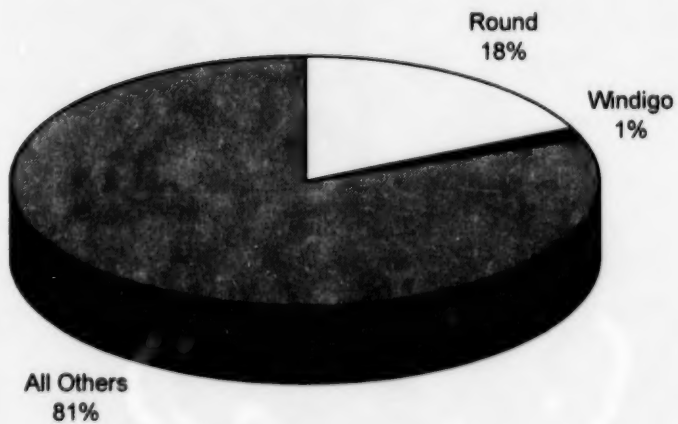


Table 6.5
LANDINGS BY MAJOR LAKES
NORTHWESTERN ONTARIO, 1996/97.
(live weight equivalent tonnes)

Species	MacDowell	Round	Windigo	All Others	Total
Whitefish	0	0	1	2	3
Pickeral	0	10	1	45	56
Northern Pike	0	2	0	4	6
Sturgeon	0	0	0	0	0
Others	0	0	0	0	0
Total	0	12	2	51	65

Table 6.6
LANDED VALUES BY MAJOR LAKES
NORTHWESTERN ONTARIO, 1996/97.
(\$000's)

Species	MacDowell	Round	Windigo	All Others	Total
Whitefish	0	0	1	1	2
Pickeral	0	35	2	158	195
Northern Pike	0	1	0	2	2
Sturgeon	0	0	0	0	0
Others	0	0	0	0	0
Total	0	36	3	161	200

Fig. 6.6
Northwestern Ontario Landings Trend

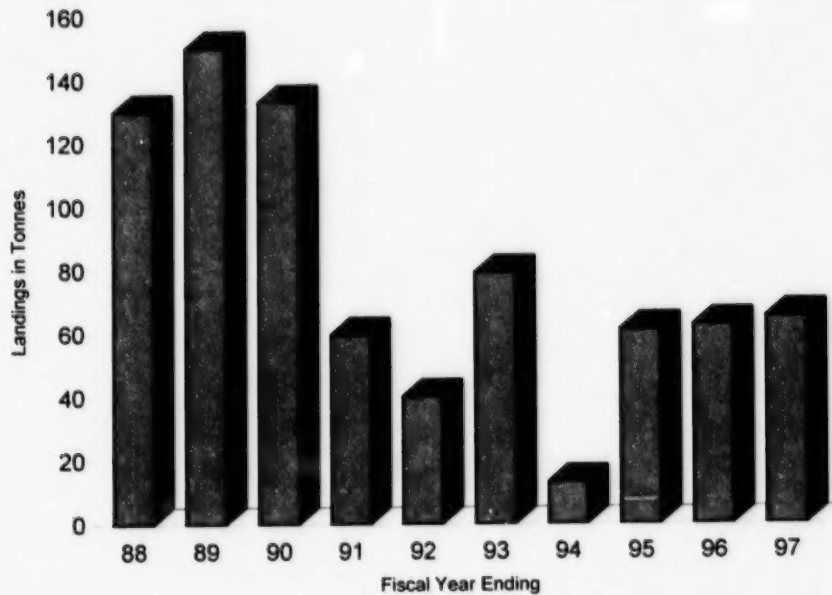


Table 6.7
NORTHWESTERN ONTARIO
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	24	14	27	21	17	22	3	15	14	3
Pickereel	72	114	84	32	17	46	7	37	40	56
Northern Pike	27	20	21	6	6	9	3	8	8	6
Mullet	0	0	0	0	0	0	0	0	0	0
Sturgeon	5	2	1	1	0	2	0	0	0	0
Others	2	1	1	0	0	0	0	0	0	0
Total	130	150	133	60	40	79	13	61	62	65

Fig. 6.7
Northwestern Ontario Landed Values Trend

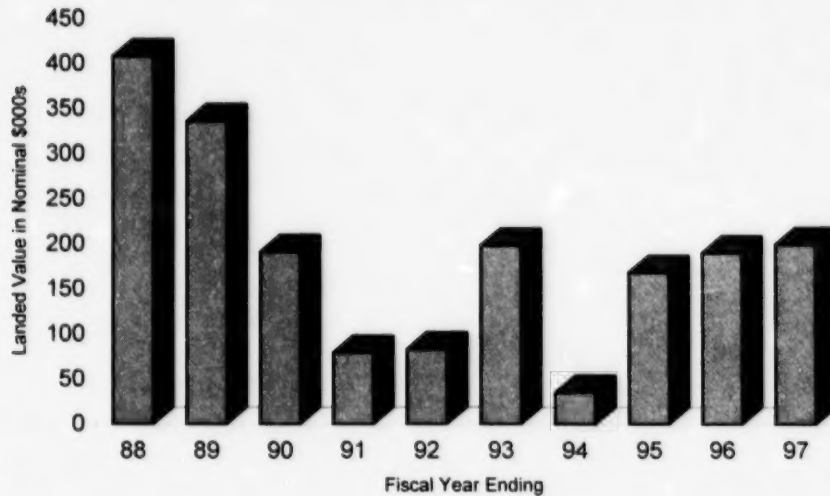


Table 6.8
NORTHWESTERN ONTARIO
TEN YEAR LANDED VALUES TREND.
(nominal \$000's)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	29	12	25	15	17	20	2	15	13	2
Pickereel	299	285	143	56	59	158	30	145	173	195
Northern Pike	28	17	14	5	7	10	3	7	5	2
Mullet	0	0	0	0	0	0	0	0	0	0
Sturgeon	48	22	8	4	0	11	0	0	0	0
Others	4	1	2	0	0	0	0	1	0	0
Total	408	336	191	79	83	198	35	168	190	200

Fig. 6.8
Northwestern Ontario Landings Trend
by Major Lakes

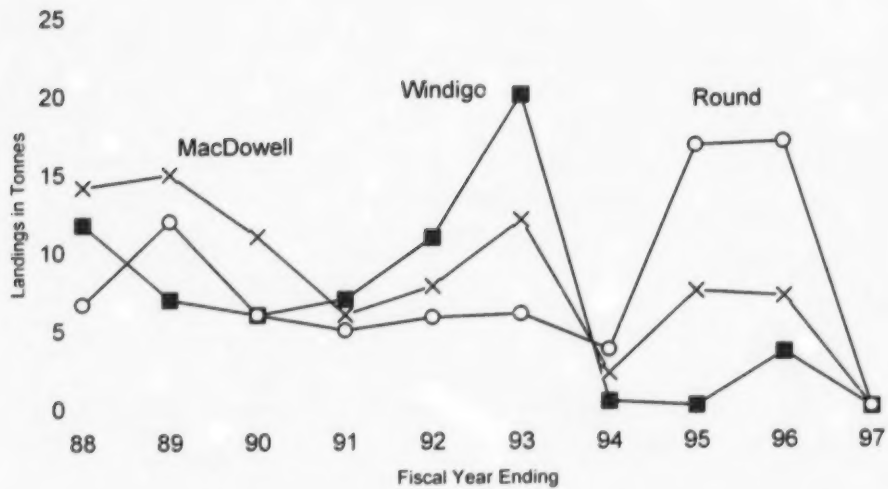


Fig. 6.9
Northwestern Ontario Landed Values Trend
by Major Lakes

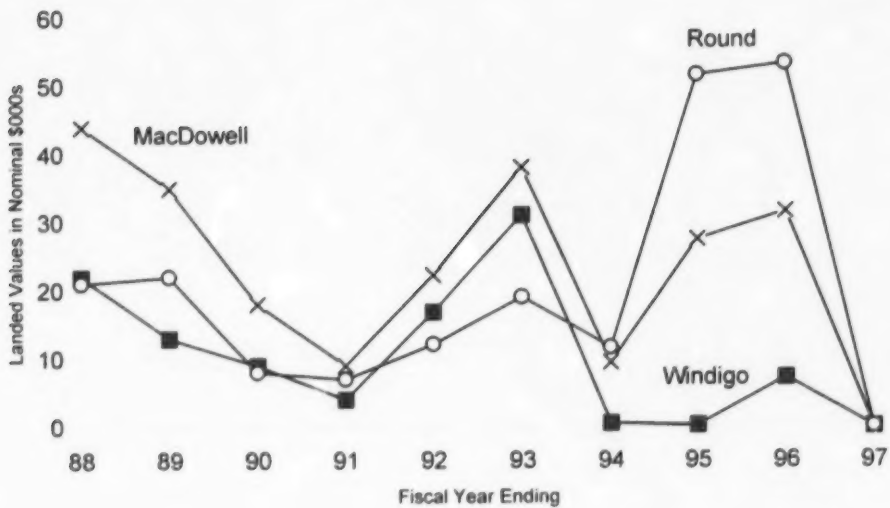


Table 6.9
NORTHWESTERN ONTARIO
TEN YEAR LANDINGS TREND BY MAJOR LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
MacDowell	14	15	11	6	8	12	2	7	7	0
Mameigwess	12	6	7	0	0	8	0	0	0	0
North Caribou	4	0	0	3	0	6	1	7	6	11
Round	7	12	6	5	6	6	4	17	17	0
St. Joseph	3	8	4	1	0	1	0	0	0	0
Windigo	12	7	6	7	11	20	0	0	3	0
Others	79	102	99	38	16	26	6	30	29	54
Total	130	150	133	60	40	79	13	61	62	65

Table 6.10
NORTHWESTERN ONTARIO
TEN YEAR LANDED VALUES TREND BY MAJOR LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
MacDowell	44	35	18	9	22	38	9	27	31	0
Mameigwess	31	10	9	0	0	19	0	0	0	0
North Caribou	13	0	0	4	0	15	4	18	23	33
Round	21	22	8	7	12	19	12	52	53	0
St. Joseph	5	16	5	2	0	3	0	0	0	0
Windigo	22	13	9	4	17	31	1	0	7	0
Others	272	240	142	53	32	74	10	71	75	167
Total	408	336	191	79	83	198	35	168	190	200

SECTION 7
NORTHWEST TERRITORIES

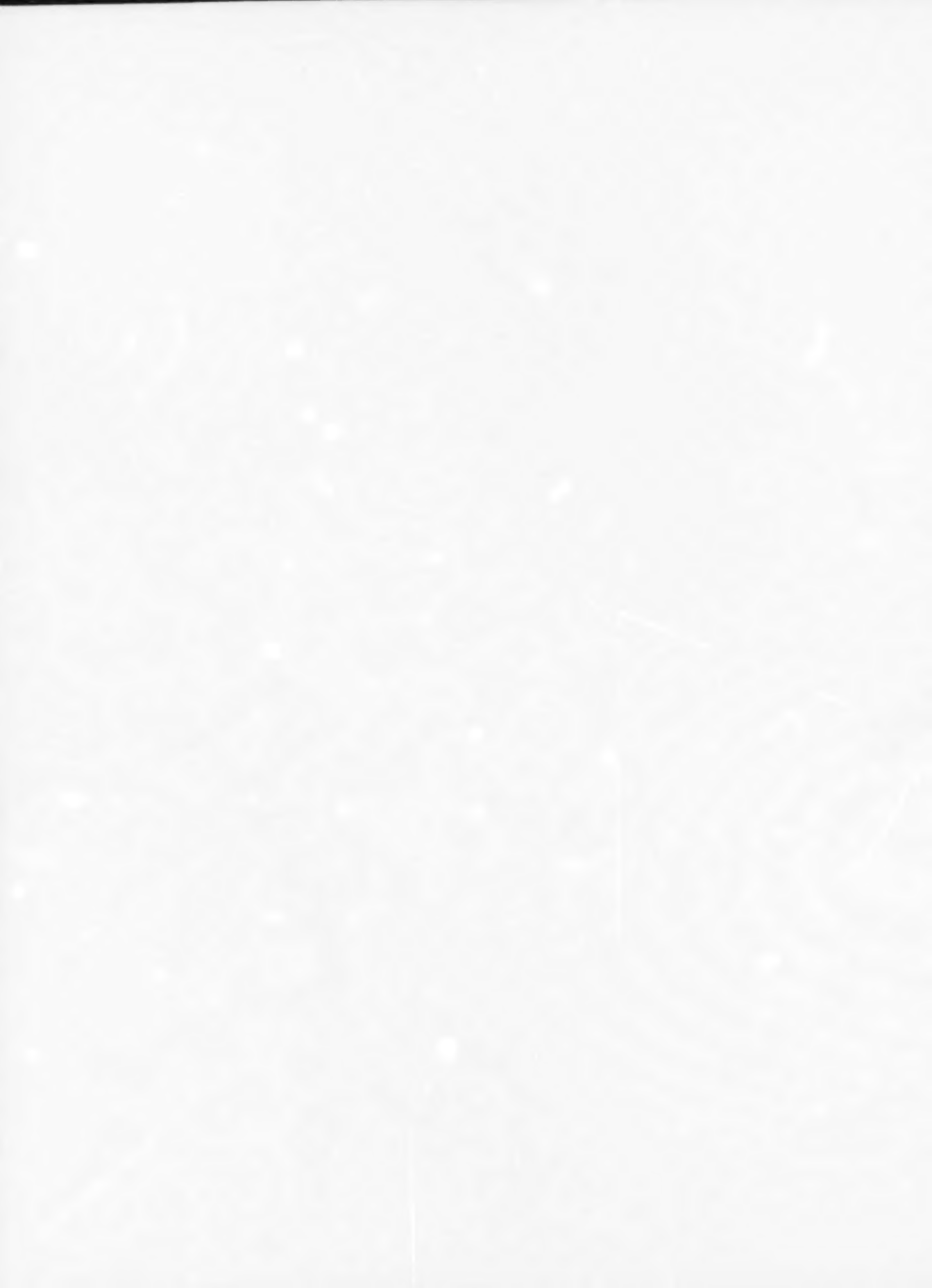


Fig. 7.1
N.W.T. Landings by Species
1996/97 Total = 1 867 tonnes

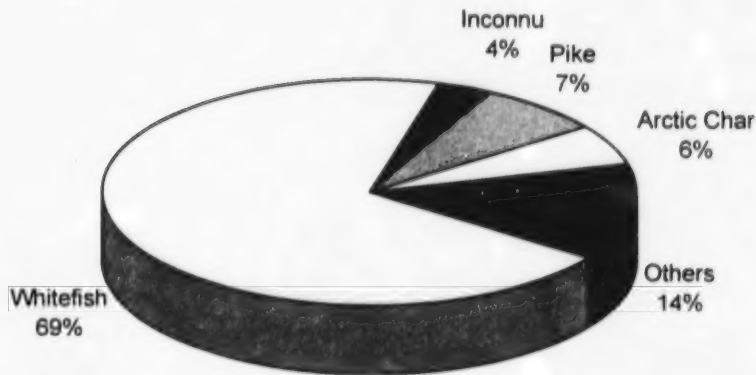


Fig. 7.2
N.W.T. Landed Values by Species
1996/97 Total = \$2 011 000

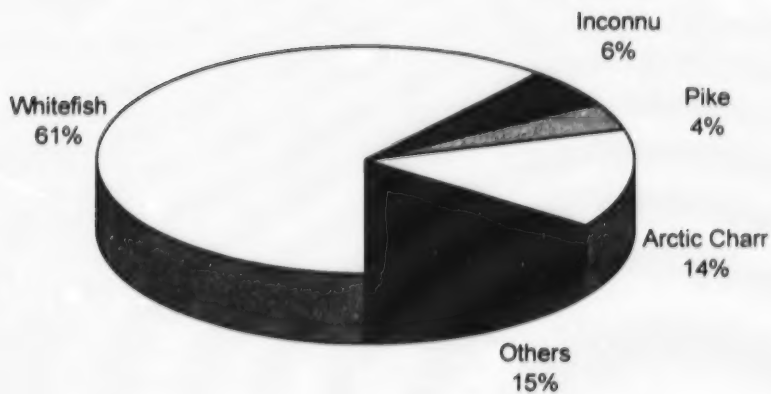


Table 7.1
LANDINGS, LANDED AND MARKETED VALUES BY SPECIES,
NORTHWEST TERRITORIES, 1996/97
(live weight equivalent tonnes and \$000's)

Species	Quantity	Landed	Marketed
		Value	Value
Whitefish	1 297	1 230	2 675
Pickeral	57	207	336
Lake Trout	112	79	194
Northern Pike	136	79	253
Arctic Char *	111	282	981
Inconnu	65	112	201
Others	88	22	75
Total	1 867	2 011	4 716

Table 7.2
ESTIMATED NUMBER OF SELF-EMPLOYED
FISHERMEN, NORTHWEST TERRITORIES, 1996/97

Season	Self-Employed
Summer Only	24
Winter Only	18
Both Seasons	34
Total	76

Table 7.3
DISTRIBUTION OF LANDED VALUES AMONG SELF-EMPLOYED FISHERMEN,
NORTHWEST TERRITORIES TREND.

Landed Value	96/97	95/96	94/95	93/94	92/93	91/92	90/91	89/90	88/89	87/88
Range	(number of fishermen)									
(nominal dollars)										
\$0-\$2,000	22	25	12	24	31	96	59	55	38	21
\$2,001-\$4,000	10	7	<4	8	10	16	23	18	12	9
\$4,001-\$6,000	7	5	4	5	8	20	9	12	11	9
\$6,001-\$8,000	<4	<4	<4	<4	7	5	11	7	8	7
\$8,001-\$10,000	<4	<4	<4	<4	<4	<4	6	<4	<4	6
\$10,001-\$14,000	5	7	<4	7	5	4	6	7	6	<4
\$14,001-\$20,000	4	4	<4	<4	7	10	7	6	6	8
\$20,001-\$30,000	5	4	4	4	5	4	5	6	<4	<4
\$30,001 +	18	17	11	13	14	20	<4	<4	<4	<4
Total	76	75	41	67	90	178	142	132	108	89

* Sources: quantity and landed value, Department of Fisheries and Oceans; marketed value, Northwest Territories Development Corporation. Landed value includes government subsidies paid to fishermen. At press time, the information necessary to separate the subsidy portion from the value of the fish was not available.

Fig. 7.3
Distribution of Landed Values among
N.W.T. Self-Employed Fishermen

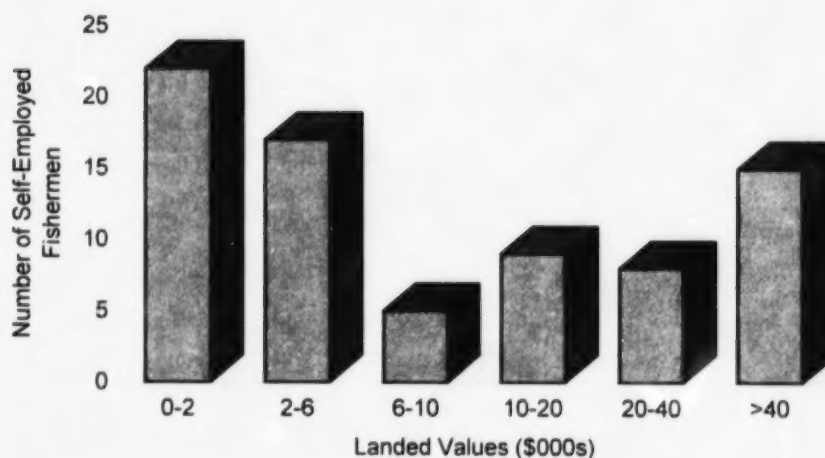


Table 7.4
LANDINGS, LANDED VALUES AND FISHING EFFORT,
BY SELF-EMPLOYED FISHERMEN
NORTHWEST TERRITORIES, 1996/97.

Landed Value Range	Number of Fishermen	Averages Per Fishermen			
		Deliveries	Weeks	Weight	Total Payments
\$0-\$2,000	22	5.1	3.0	547	671
\$2,001-\$4,000	10	22.7	9.7	2 567	2 986
\$4,001-\$6,000	7	27.9	13.0	3 384	5 209
\$6,001-\$8,000	<4	29.0	12.3	4 831	7 158
\$8,001-\$10,000	<4	38.5	14.5	7 892	8 166
\$10,001-\$14,000	5	53.4	22.8	9 569	11 177
\$14,001-\$20,000	4	52.5	18.5	15 624	16 449
\$20,001-\$30,000	5	46.6	19.8	16 324	25 894
\$30,001-\$40,000	<4	68.3	34.0	29 446	37 853
\$40,001+	15	94.7	30.0	70 173	83 011
Total	76	39.9	9.9	18 744	22 747

Fig. 7.4
N.W.T. Landings by Major Lakes
1996/97 Total = 1 867 tonnes

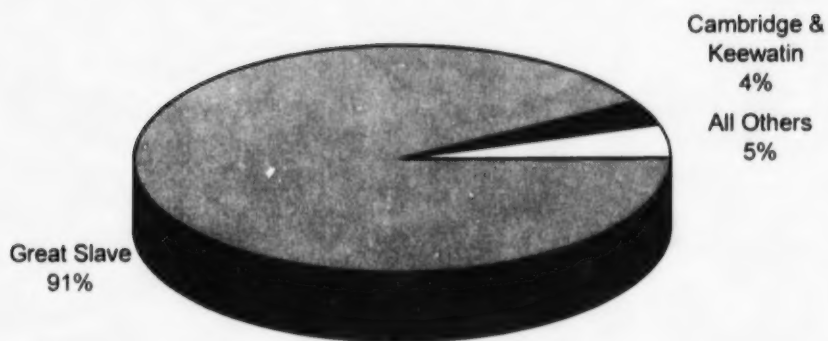


Fig. 7.5
N.W.T. Landed Values by Major Lakes
1996/97 Total = \$2 011 000

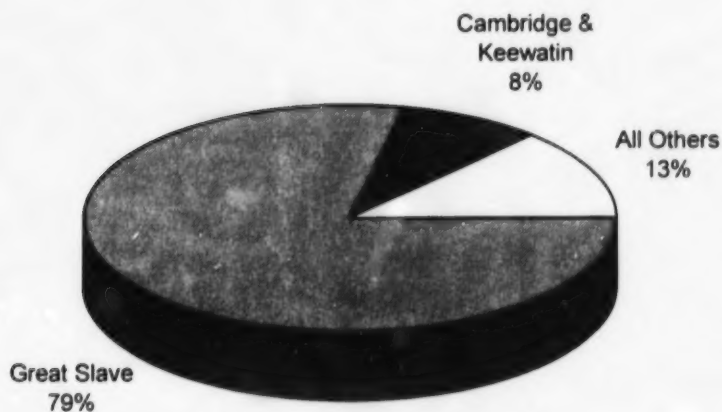


Table 7.5
LANDINGS BY MAJOR LAKES,
NORTHWEST TERRITORIES, 1996/97.
(live weight equivalent tonnes)

Species	Great Slave	Cambridge Bay	Keewatin Fisheries	All Others	Total
Whitefish	1 297	0	0	0	1 297
Pickeral	17	0	0	40	57
Lake Trout	112	0	0	0	112
Northern Pike	133	0	0	3	136
Arctic Char	0	44	23	44	111
Inconnu	65	0	0	0	65
Others	88	0	0	0	88
Total	1 712	44	23	88	1 867

Table 7.6
LANDED VALUES BY MAJOR LAKES,
NORTHWEST TERRITORIES, 1996/97.
(\$000's)

Species	Great Slave	Cambridge Bay	Keewatin Fisheries	All Others	Total
Whitefish	1 230	0	0	0	1 230
Pickeral	58	0	0	149	207
Lake Trout	79	0	0	0	79
Northern Pike	77	0	0	2	79
Arctic Char	0	136	34	112	282
Inconnu	112	0	0	0	112
Others	22	0	0	0	22
Total	1 577	136	34	263	2 011

Fig. 7.6
N.W.T. Landings Trend

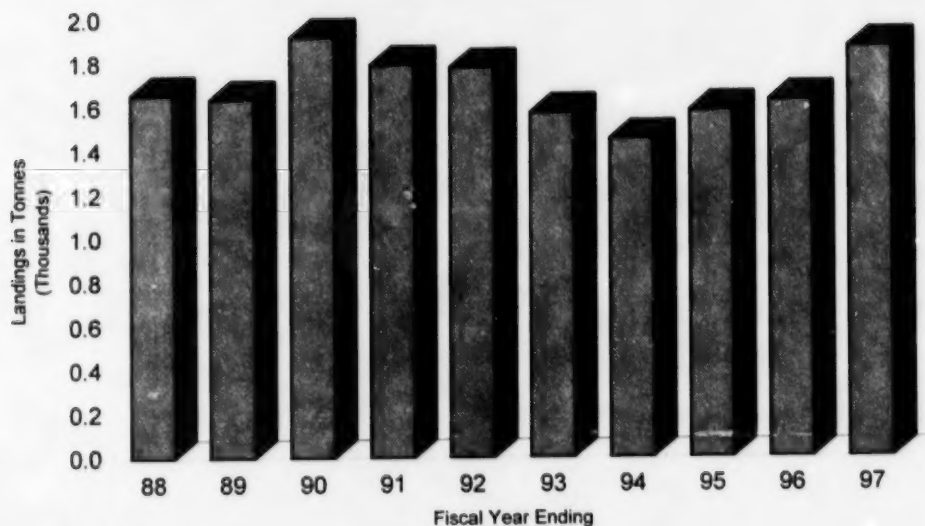


Table 7.7
NORTHWEST TERRITORIES
TEN YEAR LANDINGS TREND.
(live weight equivalent tonnes)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	1 295	1 260	1 380	1 345	1 371	1 233	1 143	1 108	1 131	1 297
Pickereel	23	39	45	54	14	26	34	59	50	57
Lake Trout	112	65	132	67	81	41	61	81	78	112
Northern Pike	107	128	181	178	187	140	112	162	156	136
Arctic Char	59	89	82	70	52	41	64	130	138	111
Inconnu	63	56	102	62	35	23	35	37	49	65
Others	0	0	0	19	40	70	0	3	22	88
Total	1 658	1 637	1 921	1 794	1 780	1 573	1 450	1 580	1 624	1 867

Fig. 7.7
N.W.T. Landed Values Trend

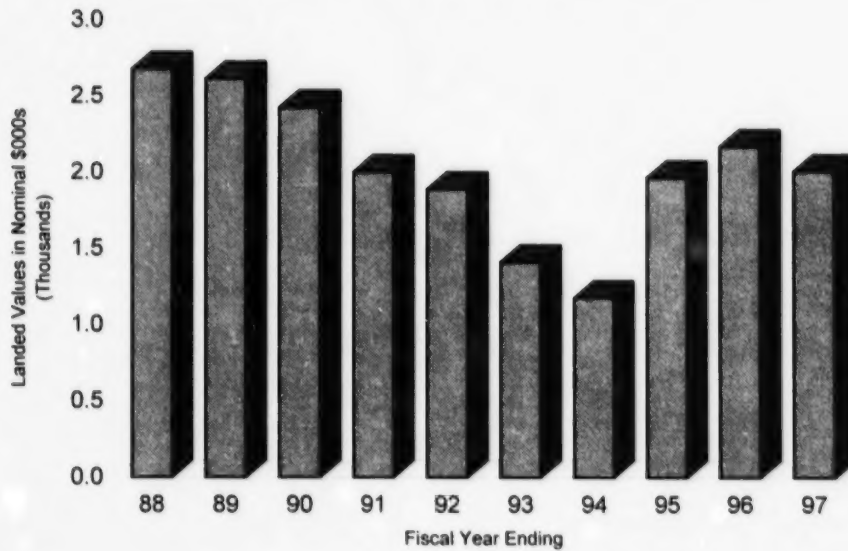


Table 7.8
NORTHWEST TERRITORIES
TEN YEAR LANDED VALUES TREND.
(nominal \$000's)

Species	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Whitefish	1 668	1 642	1 512	1 231	1 290	1 005	766	1 135	1 232	1 230
Pickeral	91	95	79	91	41	83	105	246	227	207
Lake Trout	151	82	124	30	59	19	27	31	68	79
Northern Pike	129	119	117	158	195	144	71	106	108	79
Arctic Char	511	571	444	372	230	91	142	356	426	282
Inconnu	126	104	148	112	62	44	66	93	102	112
Others	0	0	0	6	11	25	0	1	9	22
Total	2 676	2 613	2 424	2 000	1 888	1 411	1 177	1 967	2 172	2 011

Fig. 7.8
N.W.T. Landings Trend
by Major Lake



Fig. 7.9
N.W.T. Landed Values Trend
by Major Lake



Table 7.9
NORTHWEST TERRITORIES
TEN YEAR LANDINGS TREND BY MAJOR LAKES.
(live weight equivalent tonnes)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Great Slave	1 583	1 529	1 800	1 680	1 694	1 484	1 354	1 410	1 446	1 712
Cambridge Bay	45	44	41	46	22	25	50	34	31	44
Keewatin Fisheries	8	34	41	24	31	12	10	43	13	23
Others	22	30	39	44	33	52	37	93	134	88
Total	1 658	1 637	1 921	1 794	1 780	1 573	1 450	1 580	1 624	1 867

Table 7.10
NORTHWEST TERRITORIES
TEN YEAR LANDED VALUES TREND BY MAJOR LAKES.
(nominal \$000's)

Lake	87/88	88/89	89/90	90/91	91/92	92/93	93/94	94/95	95/96	96/97
Great Slave	2 100	1 998	1 919	1 567	1 617	1 219	949	1 437	1 573	1 577
Cambridge Bay	390	295	238	265	142	33	94	82	76	136
Keewatin Fisheries	66	240	206	107	88	38	32	129	129	34
Others	119	81	60	60	41	121	102	320	400	263
Total	2 676	2 613	2 424	2 000	1 888	1 411	1 177	1 968	2 178	2 011